

# sxml-transforms egg

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The **SXML transformations** (to XML, SXML, and HTML) from the **SSAX project**  
Extension for Chicken Scheme  
Version 1.1

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## Table of Contents

<b>1</b>	<b>About this egg .....</b>	<b>1</b>
1.1	Version history .....	1
<b>2</b>	<b>Documentation .....</b>	<b>2</b>
<b>3</b>	<b>Examples.....</b>	<b>3</b>
<b>4</b>	<b>License.....</b>	<b>4</b>
	<b>Index .....</b>	<b>5</b>

# 1 About this egg

## 1.1 Version history

- 1.1 Improve inline element whitespace handling; add '&' rule.
- 1.0 Initial release

## 2 Documentation

This egg provides the SXML transforms available in the SSAX/SXML Sourceforge project. It incorporates one main extension, and an auxiliary one:

```
require-extension [extension]
  (require-extension sxml-transforms)
```

From SXML-tree-trans.scm:

```
SRV:send-reply pre-post-order post-order foldts replace-range
```

From SXML-to-HTML.scm:

```
SXML->HTML entag enattr string->goodHTML
```

From SXML-to-HTML-ext.scm:

```
universal-conversion-rules universal-protected-rules
alist-conv-rules
```

From util.scm:

```
make-char-quotator
```

Chicken-specific modifications:

```
entag-xhtml entag-html
```

entag-xhtml closes XHTML tags properly in an HTML compatible way. entag is now an alias for entag-xhtml, so this behaviour is the default. entag-html is an alias for the original entag.

Newlines before open tags in the rendered HTML output are omitted for inline elements, such as `tt` and `strong`. This prevents the introduction of extraneous whitespace.

Also, the universal conversion rules have been augmented a bit:

```
& [rule]
  (& ENTITY-NAME ...)
```

Quotes character references given by strings ENTITY-NAME ....

Example: (& "ndash" "quot") => "&ndash;&quot;";

```
require-extension [extension]
  (require-extension sxml-to-sxml)
```

Provides `pre-post-order-composable`, a variant of `pre-post-order` which always outputs strictly-conformant SXML. This comes from `sxml-to-sxml.scm`.

## 3 Examples

[Oleg's site](#) is the main resource. Be sure to read his examples and the ones in the SSAX repository (also included in the egg). The following papers were of great help:

- <http://okmij.org/ftp/papers/SXs-talk.pdf>
- <http://okmij.org/ftp/papers/SXs.pdf>
- <http://okmij.org/ftp/papers/SXSLT-talk.pdf>

Also, the eggdoc extension makes heavy use of `sxml-transforms`.

## 4 License

The `sxml-transforms` code is in the public domain.

Index

<b>&amp;</b>	<b>R</b>
<code>&amp;</code> ..... 2	<code>require-extension</code> ..... 2