

# Converting Colors

XYZ(39.4773, 30.0884, 14.3166)

Have a look what the booklet for  
XYZ(39.4773, 30.0884, 14.3166)  
contains.

<b>XYZ(39.4773, 30.0884, 14.3166)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.4773, 30.0884,  
14.3166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0785E
RGB	224, 120, 94
RGB Percent	88%, 47%, 37%
CMY	0.1216, 0.5294, 0.6314
CMYK	0.00, 0.46, 0.58, 0.12
HSL	12°, 68%, 62%
HSV	12°, 58%, 88%
XYZ	39.4773, 30.0884, 14.3166
YIQ	148.1320, 70.3300, 13.9620

# Conversions

## Conversions Part 2

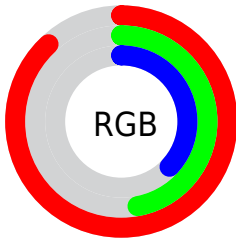
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">224, 127, 94</a>
Decimal	<a href="#">14710878</a>
CIELab	<a href="#">61.73, 38.01, 32.32</a>
CIElCh	<a href="#">62, 49.892, 40.372</a>
Yxy	<a href="#">30.0884, 0.4706, 0.3587</a>
Android (android.graphics.Color)	<a href="#">4292900958 (0xFFE0785E)</a>
YUV	<a href="#">148.1320, -26.6871, 66.5362</a>
Hunter-Lab	<a href="#">54.8529, 32.4728, 22.9223</a>

# Details

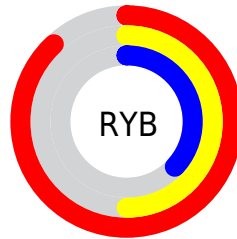
The XYZ color **39.4773, 30.0884, 14.3166** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **38.2633, 48.1467, 77.7972**, and the grayscale version is **28.2916, 29.7650, 32.4140**.

A 20% lighter version of the original color is **61.4869, 53.5764, 33.8886**, and **17.9511, 12.3540, 4.1278** is the 20% darker color. If you saturate the color by 10%, you get **36.6570, 25.8299, 9.1165**, and if you desaturate by 10%, it is **42.9939, 35.2732, 21.1879**.

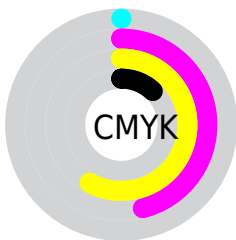
# Distribution



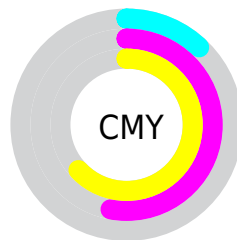
- Red (88%)
- Green (47%)
- Blue (37%)



- Red (88%)
- Yellow (50%)
- Blue (37%)



- Cyan (0%)
- Magenta (46%)
- Yellow (58%)
- Black (12%)




- Cyan (12%)
- Magenta (53%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4773, 30.0884, 14.3166 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 39.4773, 30.0884, 14.3166 by changing the saturation by 10% instead.




 39.4773, 30.0884,  
14.3166


 39.4773, 30.0884,  
14.3166


335.0878,  
302.3163, 230.6881

 27.3136, 19.9057,  
8.1999


 73.6563, 59.8019,  
34.3749

 17.9467, 12.3265,  
4.1335


 96.4024, 80.1016,  
49.1536

 11.0112, 6.9665,  
1.6989


 123.4066,  
104.5423, 67.6568

 6.1417, 3.4411,  
0.3600

 155.0344,  
133.5085, 90.3030

 2.9729, 1.3661,  
0.0000

191.6510,  
167.3847, 117.5106

 1.1395, 0.1916,  
0.0000

233.6219,

 0.0577, 0.0000,

206.5551, 149.6983

0.0000

281.3124,  
251.4041, 187.2847

■ 0.0000, 0.0000,  
0.0000

■ 39.4773, 30.0884,  
14.3166

■ 39.4773, 30.0884,  
14.3166

■ 36.6570, 25.8299,  
9.1165

■ 42.9939, 35.2732,  
21.1879

■ 34.4824, 22.4376,  
5.4415

■ 47.2484, 41.4303,  
29.8565

■ 32.8987, 19.8512,  
3.1226

■ 52.2815, 48.6083,  
40.4380

■ 31.8350, 17.9980,  
1.9225

■ 58.1302, 56.8511,  
53.0379

■ 31.6715, 17.7096,  
1.7490

■ 64.8292, 66.2000,  
67.7540

■ 72.4112, 76.6941,  
84.6777

■ 80.9069, 88.3705,  
103.8951

■ 84.5503, 94.5872,  
108.4086

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.0957, 30.0884, 26.6053



39.4773, 30.0884, 14.3166



33.1078, 30.0884, 8.9702

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



39.4773, 30.0884, 14.3166



18.1736, 30.0884, 21.9436



30.9605, 30.0884, 83.5403

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



39.4773, 30.0884, 14.3166



38.2633, 48.1467, 77.7972

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.5177, 30.0884, 80.7204



39.4773, 30.0884, 14.3166



17.7821, 30.0884, 39.8000

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



39.4773, 30.0884, 14.3166



21.0952, 30.0884, 12.0445



19.9274, 30.0884, 62.6360



37.6975, 30.0884, 69.2897



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.4773, 30.0884, 14.3166



28.5152, 30.0884, 8.1036



19.9274, 30.0884, 62.6360



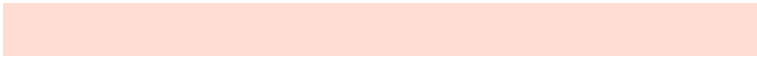
28.6812, 30.0884, 84.6598

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



39.4780, 30.0900, 14.3171



78.7574, 77.3514, 72.8355



44.9361, 27.9300, 56.4486



16.4936, 16.0463, 14.7983



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.4780, 30.0900, 14.3171



48.3792, 33.4232, 10.8304



50.1097, 51.3533, 17.8610



13.9282, 14.1423, 14.3024



18.5001, 10.4381, 1.0397



1.3455, 0.8498, 0.0931



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.2633, 48.1467, 77.7972



46.4780, 59.5923, 103.6606



26.4583, 24.5367, 73.8622



13.8715, 15.0821, 17.5677



17.3198, 22.1092, 44.4030

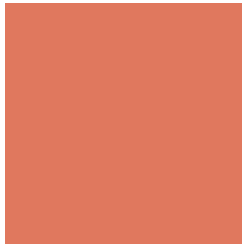


1.2604, 1.6523, 3.0977



# Previews

## White Background



This preview shows how the XYZ color 39.4773, 30.0884, 14.3166 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4773, 30.0884, 14.3166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.4773, 30.0884, 14.3166**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4773, 30.0884, 14.3166.



This preview shows how white text looks on a background with the XYZ color 39.4773, 30.0884,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

39.4773, 30.0884, 14.3166

### Protanopia

28.0469, 30.1126, 17.9697

### Deuteranopia

30.7240, 30.2069, 13.8840



## Tritanopia

41.2475, 30.1148, 22.7075

# Trichromacy



## Original Color

39.4773, 30.0884, 14.3166

## Protanomaly

31.2539, 29.3266, 16.5837

## Deuteranomaly

33.5783, 29.9536, 13.9094

## Tritanomaly

40.3933, 29.9224, 19.2694

# Monochromacy



## Original Color

39.4773, 30.0884, 14.3166

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

30.8893, 28.9656, 24.3850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4773, 30.0884, 14.3166 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 120, 94)` looks like.

```
.text, #text, p{  
    color:rgb(224, 120, 94)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 120, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 120, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4773, 30.0884, 14.3166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 120, 94) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(224, 120, 94) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(224, 120, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 120, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 120, 94);  
box-shadow:4px 4px 4px 4px rgb(224, 120,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4773, 30.0884, 14.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 120, 94) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
120, 94) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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