

Converting Colors

CIELCh(32, 54.948, 66.946)

Have a look what the booklet for
CIELCh(32, 54.948, 66.946) contains.

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Color

CIELCh(32, 48.078, 62.490)

Conversions

Conversions Part 1

Format	Color
Hex	773C00
RGB	119, 60, 0
RGB Percent	47%, 24%, 0%
CMY	0.5350, 0.7661, 1.0000
CMYK	0.00, 0.50, 1.00, 0.54
HSL	30°, 100%, 23%
HSV	30°, 100%, 46%
XYZ	9.1438, 7.0852, 0.8761
YIQ	70.8010, 54.4240, -6.1520

Conversions

Conversions Part 2

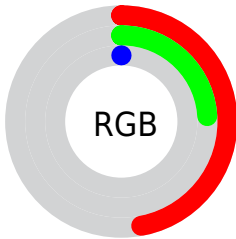
Format	Color
RYB	117, 119, 0
Decimal	7814144
CIELab	32.00, 22.21, 42.64
CIElCh	32, 48.078, 62.490
Yxy	7.0852, 0.5346, 0.4142
Android (android.graphics.Color)	4286004224 (0xFF773C00)
YUV	70.8010, -34.9049, 42.2705
Hunter-Lab	26.6180, 14.7368, 16.6812

Details

The CIELCh color **32, 48.078, 62.490** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **25, 39.706, 282.454**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 48.402, 62.343**, and **12, 29.370, 40.318** is the 20% darker color. If you saturate the color by 10%, you get **32, 47.961, 62.410**, and if you desaturate by 10%, it is **33, 43.541, 64.044**.

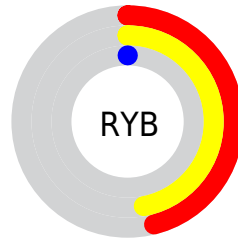
Distribution



Red (47%)

Green (24%)

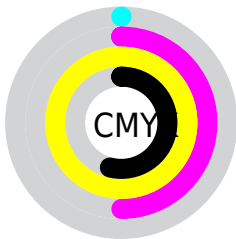
Blue (0%)



Red (46%)

Yellow (47%)

Blue (0%)

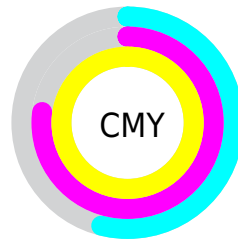


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 48.078, 62.490 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 CIELCh color 32, 48.078, 62.490 by changing the saturation by 10% instead.

■ 32, 48.078, 62.490

■ 32, 48.078, 62.490

■ 100, 48.078,
62.490

■ 22, 48.078, 62.490

■ 52, 48.078, 62.490

■ 12, 48.078, 62.490

■ 62, 48.078, 62.490

■ 2, 48.078, 62.490

■ 72, 48.078, 62.490

■ 0, 48.078, 62.490

■ 82, 48.078, 62.490

■ 92, 48.078, 62.490

■ 32, 48.078, 62.490

■ 32, 48.078, 62.490

■ 32, 47.961, 62.410

■ 33, 43.541, 64.044

■ 35, 38.955, 65.785

■ 37, 33.832, 67.220

■ 38, 28.556, 68.518

■ 40, 23.335, 69.761

■ 42, 18.269, 70.980

■ 44, 13.399, 72.187

■ 46, 8.735, 73.378

■ 48, 4.271, 74.533

Harmonies

Complementary

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



32, 48.078, 62.490



25, 39.706, 282.454

Rectangle

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



32, 48.078, 62.490



32, 48.078, 112.490



32, 48.078, 242.490



32, 48.078, 292.490

Sweetspot

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



32, 47.961, 62.410



56, 16.538, 72.099



24, 48.290, 0.210



28, 11.299, 71.703



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



32, 47.961, 62.410



41, 57.979, 61.443



48, 55.023, 102.852



24, 2.378, 74.641



33, 49.124, 62.291



66, 84.165, 60.083

Inverse Universe

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



25, 39.706, 282.454



33, 48.912, 283.656



11, 75.977, 306.287



23, 2.333, 256.930



26, 40.755, 282.621



53, 72.920, 285.275

Previews

White Background



This preview shows how the CIELCh color 32, 48.078, 62.490 looks on a white 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

Black Background



This preview shows how the CIELCh color 32, 48.078, 62.490 looks on a black 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

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

CIELCh 32, 48.078, 62.490

Background



This preview shows how black text looks on a background with the CIELCh color 32, 48.078, 62.490.



This preview shows how white text looks on a background with the CIELCh color 32, 48.078, 62.490.

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

32, 48.078, 62.490

Protanopia

32, 37.193, 95.375

Deuteranopia

32, 41.211, 84.802



Tritanopia
32, 30.857, 21.058

Trichromacy



Original Color
32, 48.078, 62.490

Protanomaly
32, 39.139, 80.916

Deuteranomaly
32, 42.710, 76.130

Tritanomaly
32, 35.087, 43.512

Monochromacy



Original Color
32, 48.078, 62.490

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 17.646, 68.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 48.078, 62.490 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(119, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 60, 0)  
}
```

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(119, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 60, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 48.078, 62.490 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(119, 60, 0) }
```

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

```
.border{ border-color:rgb(119, 60, 0) }
```

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

Here you see how a box with a 4 pixel rgb(119, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 48.078, 62.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 60, 0) }
```

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

```
.background{ background-color: rgb(119, 60,  
0) }
```

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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