

Converting Colors

CIELCh(32, 59.068, 48.084)

Have a look what the booklet for
CIELCh(32, 59.068, 48.084) contains.

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Color

CIELCh(32, 58.774, 48.038)

Conversions

Conversions Part 1

Format	Color
Hex	8A2A01
RGB	138, 42, 1
RGB Percent	54%, 16%, 0%
CMY	0.4582, 0.8347, 0.9956
CMYK	0.00, 0.69, 0.99, 0.46
HSL	18°, 98%, 27%
HSV	18°, 99%, 54%
XYZ	11.3466, 7.0852, 0.8018
YIQ	66.0300, 70.3770, 7.6010

Conversions

Conversions Part 2

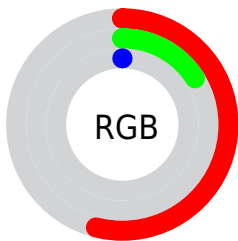
Format	Color
R_{YB}	138, 60, 1
Decimal	9054721
CIE Lab	32.00, 39.30, 43.70
CIE LCh	32, 58.774, 48.038
Yxy	7.0852, 0.5899, 0.3684
Android (android.graphics.Color)	4287244801 (0xFF8A2A01)
YUV	66.0300, -32.0598, 63.1177
Hunter-Lab	26.6180, 29.5089, 16.8466

Details

The CIELCh color **32, 58.774, 48.038** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **39, 30.532, 254.336**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 58.478, 48.042**, and **14, 40.336, 31.871** is the 20% darker color. If you saturate the color by 10%, you get **32, 59.262, 48.049**, and if you desaturate by 10%, it is **34, 52.810, 48.402**.

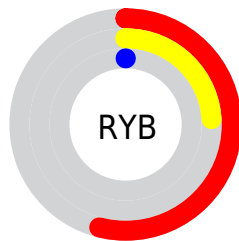
Distribution



Red (54%)

Green (16%)

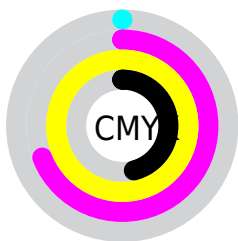
Blue (0%)



Red (54%)

Yellow (24%)

Blue (0%)

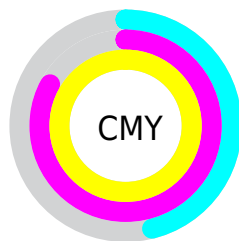


Cyan (0%)

Magenta (69%)

Yellow (99%)

Black (46%)



Cyan (46%)

Magenta (83%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 58.774, 48.038 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, 58.774, 48.038 by changing the saturation by 10% instead.

■ 32, 58.774, 48.038

■ 32, 58.774, 48.038

■ 100, 58.774,
48.038

■ 22, 58.774, 48.038

■ 52, 58.774, 48.038

■ 12, 58.774, 48.038

■ 62, 58.774, 48.038

■ 2, 58.774, 48.038

■ 72, 58.774, 48.038

■ 0, 58.774, 48.038

■ 82, 58.774, 48.038

■ 92, 58.774, 48.038

■ 32, 58.774, 48.038

■ 32, 58.774, 48.038

■ 32, 59.262, 48.049

■ 34, 52.810, 48.402

■ 36, 46.247, 48.680

■ 38, 39.355, 48.760

■ 41, 32.578, 48.859

■ 43, 26.112, 49.056

■ 46, 20.036, 49.368

■ 49, 14.368, 49.784

■ 52, 9.098, 50.280

■ 55, 4.198, 50.811

Harmonies

Complementary

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



32, 58.774, 48.038



39, 30.532, 254.336

Rectangle

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



32, 58.774, 48.038



32, 58.774, 98.038



32, 58.774, 228.038



32, 58.774, 278.038

Sweetspot

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



32, 58.772, 48.040



62, 18.305, 49.718



30, 59.311, 343.081



30, 12.612, 49.561



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



32, 58.772, 48.040



41, 72.303, 47.479



47, 53.688, 86.970



28, 2.572, 50.813



31, 57.303, 48.060



1, 1.159, 51.471

Inverse Universe

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



39, 30.532, 254.336



49, 37.387, 255.857



19, 70.698, 301.013



28, 2.453, 232.230



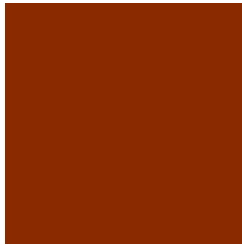
37, 29.729, 254.469



1, 1.160, 231.490

Previews

White Background



This preview shows how the CIELCh color 32, 58.774, 48.038 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, 58.774, 48.038 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, 58.774, 48.038

Background



This preview shows how black text looks on a background with the CIELCh color 32, 58.774, 48.038.



This preview shows how white text looks on a background with the CIELCh color 32, 58.774, 48.038.

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, 58.774, 48.038

Protanopia

33, 35.738, 96.235

Deuteranopia

32, 41.542, 84.992



Tritanopia
32, 48.278, 29.060

Trichromacy



Original Color
32, 58.774, 48.038

Protanomaly
31, 39.414, 69.997

Deuteranomaly
32, 45.349, 66.920

Tritanomaly
32, 52.047, 37.770

Monochromacy



Original Color
32, 58.774, 48.038

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 20.860, 49.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 58.774, 48.038 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(138, 42, 1)` looks like.

```
.text, #text, p{  
    color:rgb(138, 42, 1)  
}
```

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(138, 42, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 42, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 58.774, 48.038 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(138, 42, 1) }
```

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

```
.border{ border-color:rgb(138, 42, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 42, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 42, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 42, 1);  
box-shadow:4px 4px 4px 4px rgb(138, 42, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 58.774, 48.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 42, 1) }
```

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

```
.background{ background-color: rgb(138, 42,  
1) }
```

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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