

Converting Colors

CIELCh(27, 51.545, 48.475)

Have a look what the booklet for
CIELCh(27, 51.545, 48.475) contains.

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Color

CIELCh(27, 51.778, 48.264)

Conversions

Conversions Part 1

Format	Color
Hex	762400
RGB	118, 36, 0
RGB Percent	46%, 14%, 0%
CMY	0.5379, 0.8593, 1.0000
CMYK	0.00, 0.70, 1.00, 0.54
HSL	18°, 100%, 23%
HSV	18°, 100%, 46%
XYZ	8.0759, 5.0937, 0.5533
YIQ	56.4140, 60.4280, 6.1880

Conversions

Conversions Part 2

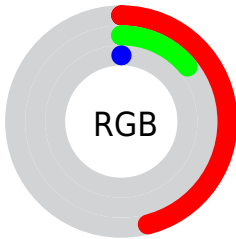
Format	Color
RYB	118, 52, 0
Decimal	7742464
CIELab	27.00, 34.47, 38.64
CIElCh	27, 51.778, 48.264
Yxy	5.0937, 0.5885, 0.3712
Android (android.graphics.Color)	4285932544 (0xFF762400)
YUV	56.4140, -27.8121, 54.0109
Hunter-Lab	22.5692, 24.3764, 14.3449

Details

The CIELCh color **27, 51.778, 48.264** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **33, 27.367, 254.729**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 52.152, 48.177**, and **9, 32.104, 26.054** is the 20% darker color. If you saturate the color by 10%, you get **27, 51.735, 48.220**, and if you desaturate by 10%, it is **29, 46.648, 48.751**.

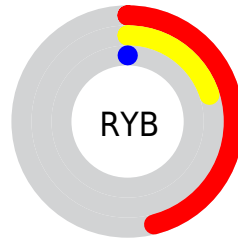
Distribution



Red (46%)

Green (14%)

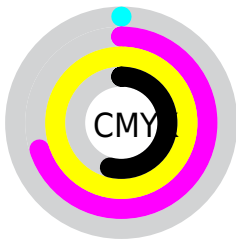
Blue (0%)



Red (46%)

Yellow (20%)

Blue (0%)

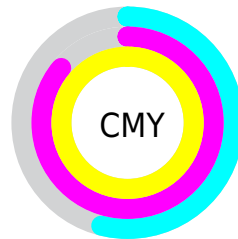


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (86%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 51.778, 48.264 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 27, 51.778, 48.264 by changing the saturation by 10% instead.

■ 27, 51.778, 48.264

■ 27, 51.778, 48.264

■ 100, 51.778,
48.264

■ 17, 51.778, 48.264

■ 47, 51.778, 48.264

■ 7, 51.778, 48.264

■ 57, 51.778, 48.264

■ 0, 51.778, 48.264

■ 67, 51.778, 48.264

■ 77, 51.778, 48.264

■ 87, 51.778, 48.264

■ 97, 51.778, 48.264

■ 27, 51.778, 48.264

■ 27, 51.778, 48.264

■ 27, 51.735, 48.220

■ 29, 46.648, 48.751

■ 30, 40.880, 49.057

■ 32, 34.849, 49.180

■ 35, 28.922, 49.319

■ 37, 23.263, 49.550

■ 39, 17.938, 49.887

■ 42, 12.964, 50.321

■ 44, 8.332, 50.832

■ 47, 4.019, 51.378

Harmonies

Complementary

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



27, 51.778, 48.264



33, 27.367, 254.729

Rectangle

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



27, 51.778, 48.264



27, 51.778, 98.264



27, 51.778, 228.264



27, 51.778, 278.264

Sweetspot

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



27, 51.735, 48.220



54, 16.100, 50.286



25, 52.573, 344.041



26, 11.053, 50.135



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



27, 51.735, 48.220



36, 64.072, 48.136



41, 48.476, 88.539



23, 2.245, 51.429



28, 53.452, 48.280



58, 93.542, 47.017

Inverse Universe

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



33, 27.367, 254.729



42, 33.441, 256.110



15, 63.864, 301.357



24, 2.146, 232.851



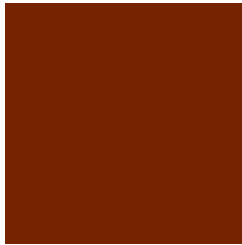
34, 28.171, 254.950



67, 49.015, 257.970

Previews

White Background



This preview shows how the CIELCh color 27, 51.778, 48.264 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 27, 51.778, 48.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

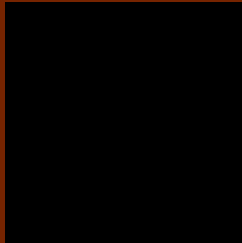
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 51.778, 48.264

Background



This preview shows how black text looks on a background with the CIELCh color 27, 51.778, 48.264.



This preview shows how white text looks on a background with the CIELCh color 27, 51.778, 48.264.

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

27, 51.778, 48.264

Protanopia

28, 31.629, 96.135

Deuteranopia

27, 36.811, 85.718



Tritanopia
27, 42.151, 28.482

Trichromacy



Original Color
27, 51.778, 48.264

Protanomaly
27, 35.057, 70.664

Deuteranomaly
26, 39.752, 66.776

Tritanomaly
27, 45.704, 38.093

Monochromacy



Original Color
27, 51.778, 48.264

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 17.858, 50.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 51.778, 48.264 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(118, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 36, 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(118, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 36, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 51.778, 48.264 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(118, 36, 0) }
```

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

```
.border{ border-color:rgb(118, 36, 0) }
```

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

Here you see how a box with a 4 pixel rgb(118, 36, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 36, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 36, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 36, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 51.778, 48.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 36, 0) }
```

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

```
.background{ background-color: rgb(118, 36,  
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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