

Converting Colors

CIELCh(27, 56.482, 55.441)

Have a look what the booklet for
CIELCh(27, 56.482, 55.441) contains.

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Color

CIELCh(27, 50.320, 50.113)

Conversions

Conversions Part 1

Format	Color
Hex	732700
RGB	115, 39, 0
RGB Percent	45%, 15%, 0%
CMY	0.5473, 0.8489, 1.0000
CMYK	0.00, 0.67, 1.00, 0.55
HSL	20°, 100%, 23%
HSV	20°, 100%, 45%
XYZ	7.8359, 5.0937, 0.5552
YIQ	57.2780, 57.8150, 3.9830

Conversions

Conversions Part 2

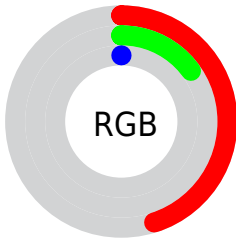
Format	Color
R_{YB}	115, 59, 0
Decimal	7546624
CIE Lab	27.00, 32.27, 38.61
CIE LCh	27, 50.320, 50.113
Yxy	5.0937, 0.5811, 0.3777
Android (android.graphics.Color)	4285736704 (0xFF732700)
YUV	57.2780, -28.2381, 50.6222
Hunter-Lab	22.5692, 22.4781, 14.3400

Details

The CIELCh color **27, 50.320, 50.113** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **31, 28.202, 259.781**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 49.591, 50.383**, and **8, 31.185, 25.168** is the 20% darker color. If you saturate the color by 10%, you get **27, 50.166, 49.951**, and if you desaturate by 10%, it is **29, 45.218, 50.715**.

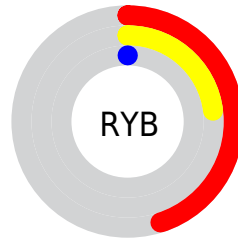
Distribution



Red (45%)

Green (15%)

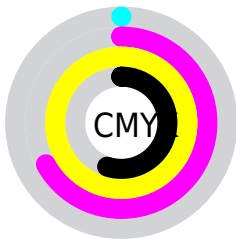
Blue (0%)



Red (45%)

Yellow (23%)

Blue (0%)

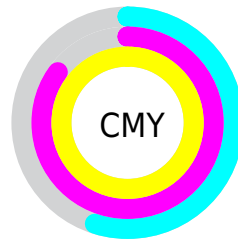


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (55%)



Cyan (55%)

Magenta (85%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 50.320, 50.113 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, 50.320, 50.113 by changing the saturation by 10% instead.

■ 27, 50.320, 50.113

■ 27, 50.320, 50.113

■ 100, 50.320,
50.113

■ 17, 50.320, 50.113

■ 47, 50.320, 50.113

■ 7, 50.320, 50.113

■ 57, 50.320, 50.113

■ 0, 50.320, 50.113

■ 67, 50.320, 50.113

■ 77, 50.320, 50.113

■ 87, 50.320, 50.113

■ 97, 50.320, 50.113

■ 27, 50.320, 50.113

■ 27, 50.320, 50.113

■ 27, 50.166, 49.951

■ 29, 45.218, 50.715

■ 30, 39.677, 51.304

■ 32, 33.870, 51.687

■ 34, 28.148, 52.056

■ 37, 22.674, 52.488

■ 39, 17.511, 53.001

■ 41, 12.676, 53.592

■ 44, 8.159, 54.242

■ 46, 3.942, 54.914

Harmonies

Complementary

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



27, 50.320, 50.113



31, 28.202, 259.781

Rectangle

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



27, 50.320, 50.113



27, 50.320, 100.113



27, 50.320, 230.113



27, 50.320, 280.113

Sweetspot

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



27, 50.166, 49.951



53, 15.790, 53.544



24, 50.793, 346.370



26, 10.986, 53.340



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, 50.166, 49.951



36, 62.260, 49.730



41, 48.554, 91.272



23, 2.240, 54.975



29, 52.744, 50.005



59, 92.049, 48.487

Inverse Universe

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



31, 28.202, 259.781



40, 34.649, 261.229



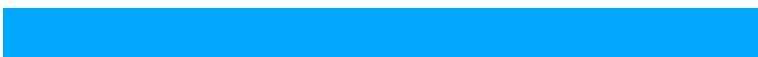
14, 65.159, 302.422



24, 2.149, 236.597



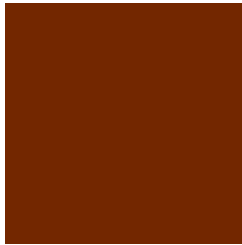
33, 29.508, 260.131



65, 51.644, 263.191

Previews

White Background



This preview shows how the CIE LCh color 27, 50.320, 50.113 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, 50.320, 50.113 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, 50.320, 50.113

Background



This preview shows how black text looks on a background with the CIELCh color 27, 50.320, 50.113.



This preview shows how white text looks on a background with the CIELCh color 27, 50.320, 50.113.

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, 49.880, 50.287

Protanopia

27, 31.597, 96.047

Deuteranopia

27, 36.811, 85.718



Tritanopia
27, 39.632, 27.409

Trichromacy



Original Color
27, 49.880, 50.287

Protanomaly
26, 34.389, 72.043

Deuteranomaly
27, 39.363, 68.282

Tritanomaly
27, 43.393, 38.543

Monochromacy



Original Color
27, 49.880, 50.287

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 17.738, 52.394

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 50.320, 50.113 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(115, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 39, 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(115, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 39, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 50.320, 50.113 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(115, 39, 0) }
```

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

```
.border{ border-color:rgb(115, 39, 0) }
```

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

Here you see how a box with a 4 pixel rgb(115, 39, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 39, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 50.320, 50.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 39, 0) }
```

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

```
.background{ background-color: rgb(115, 39,  
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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