

Converting Colors

CIELCh(50, 55.463, 103.133)

Have a look what the booklet for
CIELCh(50, 55.463, 103.133)
contains.

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Color

CIELCh(50, 55.311, 102.995)

Conversions

Conversions Part 1

Format	Color
Hex	7B7B06
RGB	123, 123, 6
RGB Percent	48%, 48%, 2%
CMY	0.5173, 0.5173, 0.9758
CMYK	0.00, 0.00, 0.95, 0.52
HSL	60°, 90%, 25%
HSV	60°, 95%, 48%
XYZ	15.3092, 18.4187, 2.9250
YIQ	109.6620, 37.5570, -36.3870

Conversions

Conversions Part 2

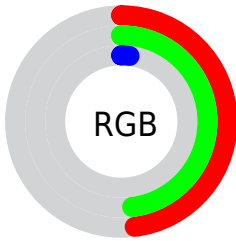
Format	Color
R_{YB}	6, 123, 6
Decimal	8092422
CIE _{Lab}	50.00, -12.44, 53.89
CIE _{LCh}	50, 55.311, 102.995
Yxy	18.4187, 0.4177, 0.5025
Android (android.graphics.Color)	4286282502 (0xFF7B7B06)
YUV	109.6620, -51.1054, 11.6974
Hunter-Lab	42.9170, -11.4309, 26.0010

Details

The CIELCh color **50, 55.311, 102.995** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 75.091, 305.578**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 55.060, 102.762**, and **30, 40.081, 105.836** is the 20% darker color. If you saturate the color by 10%, you get **50, 56.520, 102.850**, and if you desaturate by 10%, it is **50, 52.651, 103.324**.

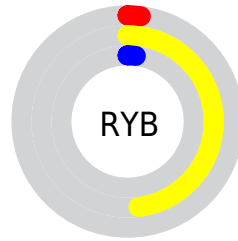
Distribution



Red (48%)

Green (48%)

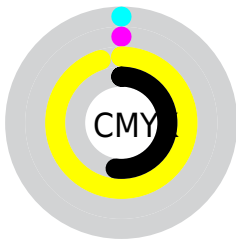
Blue (2%)



Red (2%)

Yellow (48%)

Blue (2%)

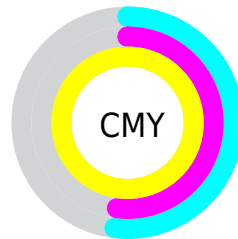


Cyan (0%)

Magenta (0%)

Yellow (95%)

Black (52%)



Cyan (52%)


Magenta (52%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 55.311, 102.995 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 50, 55.311, 102.995 by changing the saturation by 10% instead.


 50, 55.311,
102.995


 50, 55.311,
102.995


 100, 55.311,
102.995


 40, 55.311,
102.995


 70, 55.311,
102.995


 30, 55.311,
102.995


 80, 55.311,
102.995


 20, 55.311,
102.995

 90, 55.311,
102.995

 10, 55.311,
102.995

 0, 55.311, 102.995

 50, 55.311,
102.995

 50, 55.311,
102.995

■ 50, 56.520,
102.850

■ 50, 52.651,
103.324

■ 50, 48.700,
103.817

■ 50, 43.640,
104.461

■ 50, 37.784,
105.218

■ 50, 31.396,
106.057

■ 51, 24.669,
106.946

■ 51, 17.734,
107.864

■ 51, 10.679,
108.791

■ 51, 3.560, 109.708

Harmonies

Complementary

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



50, 55.311, 102.995



13, 75.091, 305.578

Rectangle

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



50, 55.311, 102.995



50, 55.311, 152.995



50, 55.311, 282.995



50, 55.311, 332.995

Sweetspot

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



50, 55.311, 102.997



65, 24.652, 107.523



25, 56.758, 36.442



34, 17.111, 107.190



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 55.311, 102.997



64, 68.598, 102.850



46, 61.295, 126.611



26, 3.997, 109.338



51, 57.131, 102.850



96, 96.172, 102.850

Inverse Universe

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



13, 75.091, 305.578



18, 94.722, 306.287



18, 70.428, 311.963



23, 4.080, 291.070



12, 78.888, 306.287



32, 132.799, 306.287

Previews

White Background



This preview shows how the CIELCh color 50, 55.311, 102.995 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 55.311, 102.995 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 × Fail

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

CIELCh 50, 55.311, 102.995

Background



This preview shows how black text looks on a background with the CIELCh color 50, 55.311, 102.995.



This preview shows how white text looks on a background with the CIELCh color 50, 55.311, 102.995.

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


50, 55.311, 102.995

Protanopia

50, 55.683, 95.312

Deuteranopia

50, 52.437, 83.204



Tritanopia
50, 8.666, 343.096

Trichromacy



Original Color
50, 55.311, 102.995

Protanomaly
50, 55.309, 97.869

Deuteranomaly
50, 52.917, 90.980

Tritanomaly
49, 21.480, 94.006

Monochromacy



Original Color
50, 55.311, 102.995

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 24.882, 106.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 55.311, 102.995 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(123, 123, 6)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 6)  
}
```

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(123, 123, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 55.311, 102.995 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(123, 123, 6) }
```

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

```
.border{ border-color:rgb(123, 123, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 6);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 55.311, 102.995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 6) }
```

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

```
.background{ background-color: rgb(123,  
123, 6) }
```

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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