

Converting Colors

CIELCh(50, 56.296, 103.261)

Have a look what the booklet for
CIELCh(50, 56.296, 103.261)
contains.

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Color

CIELCh(50, 56.291, 102.876)

Conversions

Conversions Part 1

Format	Color
Hex	7B7B01
RGB	123, 123, 1
RGB Percent	48%, 48%, 0%
CMY	0.5171, 0.5172, 0.9953
CMYK	0.00, 0.00, 0.99, 0.52
HSL	60°, 98%, 24%
HSV	60°, 99%, 48%
XYZ	15.2912, 18.4187, 2.7836
YIQ	109.0920, 39.1620, -37.9420

Conversions

Conversions Part 2

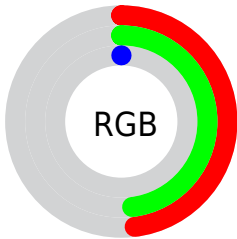
Format	Color
R_{YB}	1, 123, 1
Decimal	8092417
CIE _{Lab}	50.00, -12.54, 54.88
CIE _{LCh}	50, 56.291, 102.876
Yxy	18.4187, 0.4190, 0.5047
Android (android.graphics.Color)	4286282497 (0xFF7B7B01)
YUV	109.0920, -53.2894, 12.1973
Hunter-Lab	42.9170, -11.5056, 26.1963

Details

The CIELCh color **50, 56.291, 102.876** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **12, 77.458, 306.143**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 56.337, 102.673**, and **30, 40.119, 106.574** is the 20% darker color. If you saturate the color by 10%, you get **50, 56.531, 102.849**, and if you desaturate by 10%, it is **50, 53.876, 103.173**.

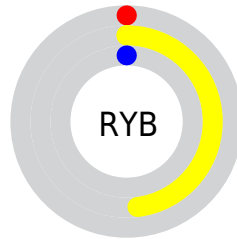
Distribution



Red (48%)

Green (48%)

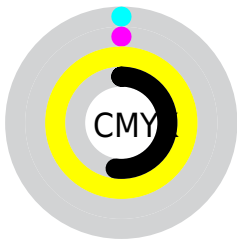
Blue (0%)



Red (0%)

Yellow (48%)

Blue (0%)

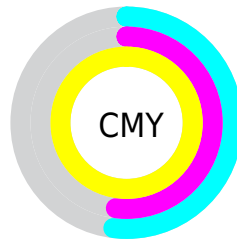


Cyan (0%)

Magenta (0%)

Yellow (99%)

Black (52%)



Cyan (52%)


Magenta (52%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 56.291, 102.876 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, 56.291, 102.876 by changing the saturation by 10% instead.


 50, 56.291,
102.876


 50, 56.291,
102.876


 100, 56.291,
102.876


 40, 56.291,
102.876


 70, 56.291,
102.876

 30, 56.291,
102.876


 80, 56.291,
102.876


 20, 56.291,
102.876

 90, 56.291,
102.876

 10, 56.291,
102.876

 0, 56.291, 102.876

 50, 56.291,
102.876

 50, 56.291,
102.876

■ 50, 56.531,
102.849

■ 50, 53.876,
103.173

■ 50, 50.452,
103.598

■ 50, 45.801,
104.185

■ 50, 40.229,
104.901

■ 50, 34.026,
105.711

■ 51, 27.415,
106.583

■ 51, 20.550,
107.492

■ 51, 13.533,
108.417

■ 51, 6.433, 109.341

Harmonies

Complementary

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



50, 56.291, 102.876



12, 77.458, 306.143

Rectangle

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



50, 56.291, 102.876



50, 56.291, 152.876



50, 56.291, 282.876



50, 56.291, 332.876

Sweetspot

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



50, 56.291, 102.878



65, 26.378, 107.334



24, 58.454, 37.212



34, 18.091, 107.016



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, 56.291, 102.878



64, 68.597, 102.849



46, 62.628, 126.853



26, 3.997, 109.338



51, 57.131, 102.849



96, 96.171, 102.849

Inverse Universe

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



12, 77.458, 306.143



18, 94.721, 306.287



18, 72.307, 311.921



23, 4.080, 291.069



12, 78.887, 306.286



32, 132.798, 306.287

Previews

White Background



This preview shows how the CIELCh color 50, 56.291, 102.876 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, 56.291, 102.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

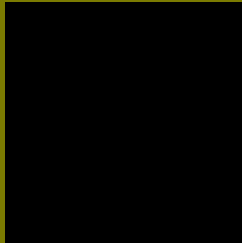
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 56.291, 102.876

Background



This preview shows how black text looks on a background with the CIELCh color 50, 56.291, 102.876.

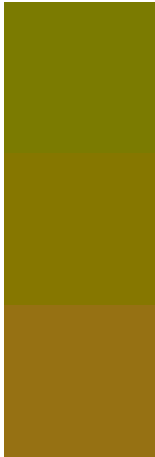


This preview shows how white text looks on a background with the CIELCh color 50, 56.291, 102.876.

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, 56.291, 102.876

Protanopia

50, 55.683, 95.312

Deuteranopia

50, 52.437, 83.204



Tritanopia
50, 8.666, 343.096

Trichromacy



Original Color
50, 56.291, 102.876

Protanomaly
50, 55.717, 97.853

Deuteranomaly
50, 53.145, 91.001

Tritanomaly
49, 22.592, 94.464

Monochromacy



Original Color
50, 56.291, 102.876

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 25.473, 106.651

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 56.291, 102.876 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 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(123, 123, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 56.291, 102.876 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, 1) }
```

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

```
.border{ border-color:rgb(123, 123, 1) }
```

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, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 1);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 56.291, 102.876 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, 1) }
```

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

```
.background{ background-color: rgb(123,  
123, 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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