

Converting Colors

CIELCh(53, 48.439, 295.842)

Have a look what the booklet for
CIELCh(53, 48.439, 295.842)
contains.

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Color

CIELCh(53, 48.558, 295.817)

Conversions

Conversions Part 1

Format	Color
Hex	7676CA
RGB	118, 118, 202
RGB Percent	46%, 46%, 79%
CMY	0.5376, 0.5375, 0.2082
CMYK	0.42, 0.42, 0.00, 0.21
HSL	240°, 44%, 63%
HSV	240°, 42%, 79%
XYZ	24.5813, 21.0462, 58.5933
YIQ	127.5760, -26.9640, 26.1240

Conversions

Conversions Part 2

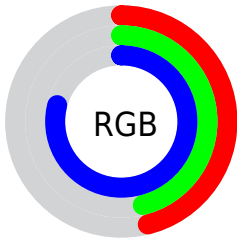
Format	Color
RYB	118, 118, 202
Decimal	7763658
CIELab	53.00, 21.15, -43.71
CIElCh	53, 48.558, 295.817
Yxy	21.0462, 0.2359, 0.2019
Android (android.graphics.Color)	4285953738 (0xFF7676CA)
YUV	127.5760, 36.6910, -8.3982
Hunter-Lab	45.8761, 15.3606, -43.6123

Details

The CIELCh color $53, 48.558, 295.817$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $80, 43.566, 106.200$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 46.260, 295.570$, and $33, 48.244, 295.576$ is the 20% darker color. If you saturate the color by 10%, you get $46, 61.496, 297.775$, and if you desaturate by 10%, it is $60, 36.101, 294.105$.

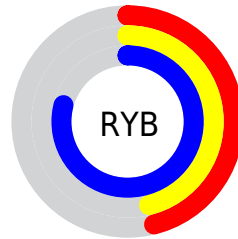
Distribution



Red (46%)

Green (46%)

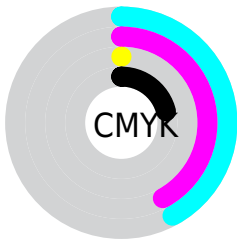
Blue (79%)



Red (46%)

Yellow (46%)

Blue (79%)

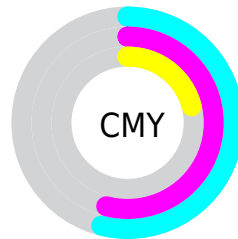


Cyan (42%)

Magenta (42%)

Yellow (0%)

Black (21%)



Cyan (54%)


Magenta (54%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 48.558, 295.817 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 53, 48.558, 295.817 by changing the saturation by 10% instead.


 53, 48.558,
295.817


 53, 48.558,
295.817


 100, 48.558,
295.817


 43, 48.558,
295.817


 73, 48.558,
295.817

 33, 48.558,
295.817

 83, 48.558,
295.817

 23, 48.558,
295.817

 93, 48.558,
295.817

 13, 48.558,
295.817

 3, 48.558, 295.817

 0, 48.558, 295.817

■ 53, 48.558,
295.817

■ 53, 48.558,
295.817

■ 46, 61.496,
297.775

■ 60, 36.101,
294.105

■ 40, 74.742,
299.927

■ 67, 24.161,
292.637

■ 34, 87.772,
302.134

■ 73, 12.714,
291.392

■ 29, 99.444,
304.131

■ 80, 1.726, 290.366

■ 26, 107.968,
305.574

■ 87, 8.838, 109.424

■ 25, 112.237,
306.286

■ 94, 19.010,
108.664

■ 99, 26.776,
108.145

Harmonies

Complementary

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



53, 48.558, 295.817



80, 43.566, 106.200

Rectangle

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



53, 48.558, 295.817



53, 48.558, 345.817



53, 48.558, 115.817



53, 48.558, 165.817

Sweetspot

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



53, 48.557, 295.817



90, 15.915, 291.457



76, 26.810, 195.818



47, 10.584, 291.611



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 48.557, 295.817



59, 71.889, 297.587



57, 49.782, 310.622



39, 6.243, 291.145



19, 96.926, 306.286



1, 23.533, 292.444

Inverse Universe

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



59, 35.837, 23.544



68, 53.507, 25.244



77, 46.763, 126.527



40, 4.369, 19.920



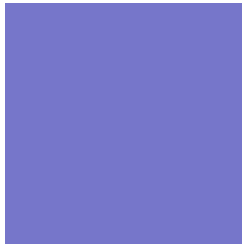
34, 75.551, 39.820



4, 17.910, 19.402

Previews

White Background



This preview shows how the CIELCh color 53, 48.558, 295.817 looks on a white background.

Color Contrast Check

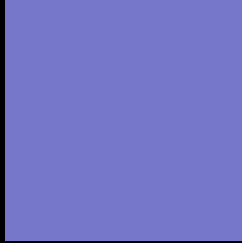
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 48.558, 295.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

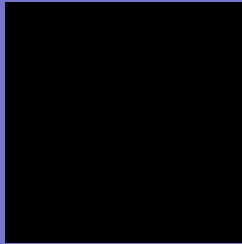
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 48.558, 295.817

Background



This preview shows how black text looks on a background with the CIELCh color 53, 48.558, 295.817.




This preview shows how white text looks on a background with the CIELCh color 53, 48.558, 295.817.

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](#).

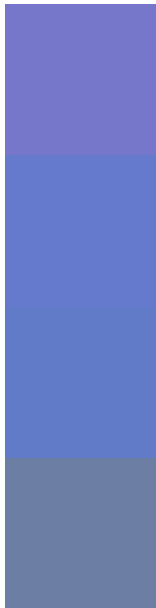
Dichromacy





Tritanopia
53, 11.723, 231.644

Trichromacy



Original Color
53, 48.558, 295.817

Protanomaly
53, 48.002, 289.122

Deuteranomaly
53, 45.313, 286.300

Tritanomaly
53, 22.594, 277.368

Monochromacy



Original Color
53, 48.558, 295.817

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 17.964, 292.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 48.558, 295.817 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, 118, 202)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 202)  
}
```

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, 118, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 48.558, 295.817 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, 118, 202) }
```

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

```
.border{ border-color:rgb(118, 118, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 118, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 202);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 48.558, 295.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 202) }
```

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

```
.background{ background-color: rgb(118,  
118, 202) }
```

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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