

Converting Colors

CIELCh(50, 20.699, 292.788)

Have a look what the booklet for
CIELCh(50, 20.699, 292.788)
contains.

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Color

CIELCh(50, 20.509, 292.788)

Conversions

Conversions Part 1

Format	Color
Hex	747497
RGB	116, 116, 151
RGB Percent	45%, 45%, 59%
CMY	0.5453, 0.5453, 0.4081
CMYK	0.23, 0.23, 0.00, 0.41
HSL	240°, 14%, 52%
HSV	240°, 23%, 59%
XYZ	19.0142, 18.4187, 31.8050
YIQ	119.9900, -11.2350, 10.8850

Conversions

Conversions Part 2

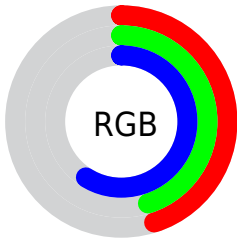
Format	Color
R_{YB}	116, 116, 151
Decimal	7632023
CIE _{Lab}	50.00, 7.94, -18.91
CIE _{LCh}	50, 20.509, 292.788
Yxy	18.4187, 0.2746, 0.2660
Android (android.graphics.Color)	4285822103 (0xFF747497)
YUV	119.9900, 15.2879, -3.4992
Hunter-Lab	42.9170, 3.9791, -13.8969

Details

The CIELCh color $50, 20.509, 292.788$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $62, 19.452, 107.990$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 20.301, 293.144$, and $30, 20.504, 292.848$ is the 20% darker color. If you saturate the color by 10%, you get $45, 29.968, 294.246$, and if you desaturate by 10%, it is $55, 11.432, 291.543$.

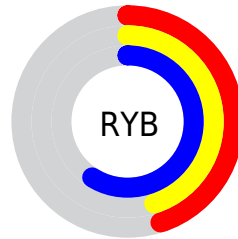
Distribution



Red (45%)

Green (45%)

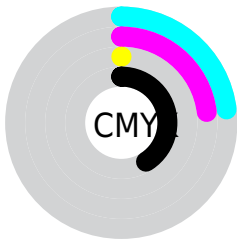
Blue (59%)



Red (45%)

Yellow (45%)

Blue (59%)

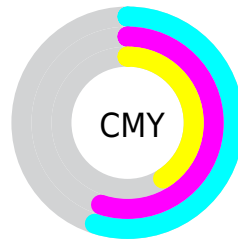


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (41%)



Cyan (55%)

Magenta (55%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 20.509, 292.788 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, 20.509, 292.788 by changing the saturation by 10% instead.

■ 50, 20.509,
292.788

■ 50, 20.509,
292.788

■ 100, 20.509,
292.788

■ 40, 20.509,
292.788

■ 70, 20.509,
292.788

■ 30, 20.509,
292.788

■ 80, 20.509,
292.788

■ 20, 20.509,
292.788

■ 90, 20.509,
292.788

■ 10, 20.509,
292.788

■ 0, 20.509, 292.788

■ 50, 20.509,
292.788

■ 50, 20.509,
292.788

45, 29.968,
294.246

55, 11.432,
291.543

39, 39.825,
295.940

61, 2.714, 290.498

34, 50.052,
297.868

66, 5.672, 109.568

29, 60.505,
299.979

71, 13.752,
108.804

24, 70.779,
302.138

77, 21.547,
108.146

21, 80.005,
304.096

82, 29.076,
107.580

18, 86.830,
305.530

87, 36.358,
107.090

17, 90.485,
306.287

92, 43.408,
106.665

97, 50.241,
106.295

Harmonies

Complementary

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



50, 20.509, 292.788



62, 19.452, 107.990

Rectangle

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



50, 20.509, 292.788



50, 20.509, 342.788



50, 20.509, 112.788



50, 20.509, 162.788

Sweetspot

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



50, 20.508, 292.787



75, 7.435, 290.886



60, 12.703, 196.765



39, 4.874, 290.940



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



50, 20.508, 292.787



61, 31.029, 293.543



51, 21.430, 309.574



29, 4.917, 291.106



15, 85.763, 306.286



0, 5.229, 290.176

Inverse Universe

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



52, 14.718, 21.085



64, 22.469, 21.652



60, 20.751, 127.438



30, 3.439, 19.893



28, 66.111, 39.048



1, 3.595, 19.401

Previews

White Background



This preview shows how the CIELCh color 50, 20.509, 292.788 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, 20.509, 292.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

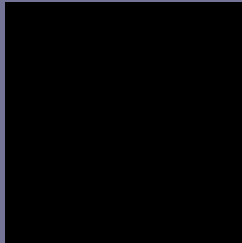
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 20.509, 292.788

Background



This preview shows how black text looks on a background with the CIELCh color 50, 20.509, 292.788.



This preview shows how white text looks on a background with the CIELCh color 50, 20.509, 292.788.

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, 20.509, 292.788

Protanopia

50, 20.005, 284.663

Deuteranopia

50, 19.906, 289.649



Tritanopia
50, 6.030, 260.300

Trichromacy



Original Color
50, 20.509, 292.788

Protanomaly
50, 20.521, 287.878

Deuteranomaly
50, 19.897, 290.661

Tritanomaly
50, 10.712, 279.473

Monochromacy



Original Color
50, 20.509, 292.788

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 7.017, 291.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 20.509, 292.788 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(116, 116, 151)` looks like.

```
.text, #text, p{  
    color:rgb(116, 116, 151)  
}
```

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(116, 116, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 116, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 20.509, 292.788 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(116, 116, 151) }
```

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

```
.border{ border-color:rgb(116, 116, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 116, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 116, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 116, 151);  
box-shadow:4px 4px 4px 4px rgb(116, 116,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 20.509, 292.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 116, 151) }
```

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

```
.background{ background-color: rgb(116,  
116, 151) }
```

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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