

Converting Colors

CIELCh(50, 49.958, 286.845)

Have a look what the booklet for
CIELCh(50, 49.958, 286.845)
contains.

CIELCh(50, 50.424, 287.094)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 50.424, 287.094)

Conversions

Conversions Part 1

Format	Color
Hex	5473C9
RGB	84, 115, 201
RGB Percent	33%, 45%, 79%
CMY	0.6698, 0.5484, 0.2110
CMYK	0.58, 0.43, 0.00, 0.21
HSL	224°, 52%, 56%
HSV	224°, 58%, 79%
XYZ	20.3877, 18.4187, 57.8537
YIQ	115.5350, -46.0820, 20.1740

Conversions

Conversions Part 2

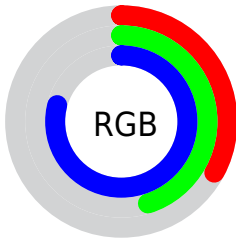
Format	Color
R _Y B	84, 109, 201
Decimal	5534665
CIE Lab	50.00, 14.82, -48.20
CIE LCh	50, 50.424, 287.094
Yxy	18.4187, 0.2109, 0.1906
Android (android.graphics.Color)	4283724745 (0xFF5473C9)
YUV	115.5350, 42.1342, -27.6562
Hunter-Lab	42.9170, 9.6916, -49.8833

Details

The CIELCh color **50, 50.424, 287.094** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **71, 47.786, 88.806**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 48.382, 286.384**, and **30, 49.968, 286.778** is the 20% darker color. If you saturate the color by 10%, you get **45, 59.976, 290.017**, and if you desaturate by 10%, it is **55, 41.167, 284.504**.

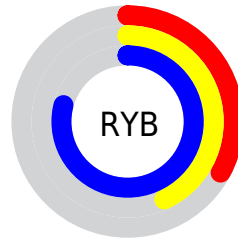
Distribution



Red (33%)

Green (45%)

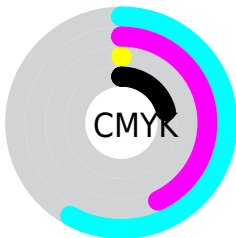
Blue (79%)



Red (33%)

Yellow (43%)

Blue (79%)

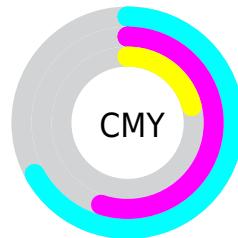


Cyan (58%)

Magenta (43%)

Yellow (0%)

Black (21%)



Cyan (67%)

Magenta (55%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 50.424, 287.094 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, 50.424, 287.094 by changing the saturation by 10% instead.

■ 50, 50.424,
287.094

■ 50, 50.424,
287.094

■ 100, 50.424,
287.094

■ 40, 50.424,
287.094

■ 70, 50.424,
287.094

■ 30, 50.424,
287.094

■ 80, 50.424,
287.094

■ 20, 50.424,
287.094

■ 90, 50.424,
287.094

■ 10, 50.424,
287.094

■ 0, 50.424, 287.094

■ 50, 50.424,
287.094

■ 50, 50.424,
287.094

45, 59.976,
290.017

55, 41.167,
284.504

40, 69.794,
293.202

61, 32.188,
282.255

36, 79.707,
296.501

66, 23.456,
280.322

32, 89.309,
299.653

71, 14.945,
278.671

31, 91.016,
300.172

77, 6.637, 277.268

82, 1.480, 95.886

87, 9.415, 94.944

93, 17.173, 94.037

97, 24.030,
102.290

Harmonies

Complementary

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



50, 50.424, 287.094



71, 47.786, 88.806

Rectangle

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



50, 50.424, 287.094



50, 50.424, 337.094



50, 50.424, 107.094



50, 50.424, 157.094

Sweetspot

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



50, 50.423, 287.095



89, 16.952, 278.533



74, 40.882, 171.905



46, 11.365, 278.844



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 50.423, 287.095



55, 74.992, 290.896



44, 69.627, 304.591



39, 4.582, 277.427



25, 76.767, 299.692



3, 17.627, 283.731

Inverse Universe

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



52, 49.754, 7.186



60, 71.148, 11.037



77, 60.172, 115.763



39, 4.540, 359.280



34, 63.720, 23.640



4, 16.385, 5.958

Previews

White Background



This preview shows how the CIE LCh color 50, 50.424, 287.094 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 CIELCh color 50, 50.424, 287.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

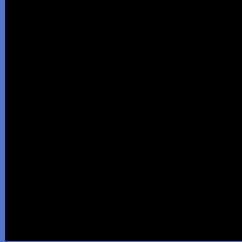
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 50.424, 287.094

Background



This preview shows how black text looks on a background with the CIELCh color 50, 50.424, 287.094.



This preview shows how white text looks on a background with the CIELCh color 50, 50.424, 287.094.

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, 50.424, 287.094

Protanopia

50, 50.474, 286.042

Deuteranopia

50, 47.809, 278.788



Tritanopia
50, 22.596, 212.476

Trichromacy



Original Color
50, 50.424, 287.094

Protanomaly
50, 50.445, 286.282

Deuteranomaly
50, 48.618, 281.667

Tritanomaly
50, 26.836, 255.100

Monochromacy



Original Color
50, 50.424, 287.094

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 18.556, 279.429

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 50.424, 287.094 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(84, 115, 201)` looks like.

```
.text, #text, p{  
    color:rgb(84, 115, 201)  
}
```

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(84, 115, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 115, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 50.424, 287.094 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(84, 115, 201) }
```

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

```
.border{ border-color:rgb(84, 115, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 115, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 115, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 115, 201);  
box-shadow:4px 4px 4px 4px rgb(84, 115,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 50.424, 287.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 115, 201) }
```

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

```
.background{ background-color: rgb(84, 115,  
201) }
```

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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