

Converting Colors

CIELCh(51, 55.018, 283.336)

Have a look what the booklet for
CIELCh(51, 55.018, 283.336)
contains.

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Color

CIELCh(51, 54.699, 283.126)

Conversions

Conversions Part 1

Format	Color
Hex	4078D5
RGB	64, 120, 213
RGB Percent	25%, 47%, 84%
CMY	0.7499, 0.5301, 0.1655
CMYK	0.70, 0.44, 0.00, 0.17
HSL	217°, 64%, 54%
HSV	217°, 70%, 83%
XYZ	20.7806, 19.2686, 65.4467
YIQ	113.8580, -63.2290, 17.0510

Conversions

Conversions Part 2

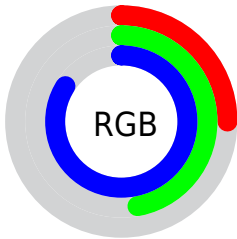
Format	Color
R _Y B	64, 105, 213
Decimal	4225237
CIE Lab	51.00, 12.42, -53.27
CIE LCh	51, 54.699, 283.126
Yxy	19.2686, 0.1970, 0.1826
Android (android.graphics.Color)	4282415317 (0xFF4078D5)
YUV	113.8580, 48.8770, -43.7255
Hunter-Lab	43.8960, 7.6847, -57.6711

Details

The CIELCh color **51, 54.699, 283.126** is a dark color, and the websafe version is hex **0066CC**. The color can be described as middle muted azure. A complement of this color would be **68, 56.179, 77.765**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 46.316, 279.380**, and **32, 54.419, 287.567** is the 20% darker color. If you saturate the color by 10%, you get **47, 63.058, 286.771**, and if you desaturate by 10%, it is **56, 46.547, 279.828**.

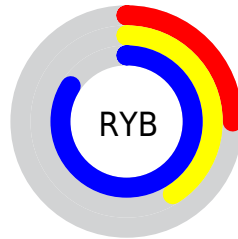
Distribution



Red (25%)

Green (47%)

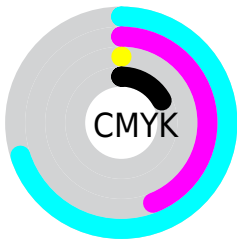
Blue (84%)



Red (25%)

Yellow (41%)

Blue (84%)

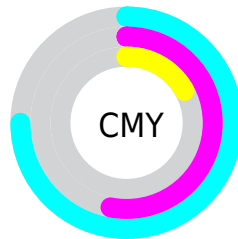


Cyan (70%)

Magenta (44%)

Yellow (0%)

Black (17%)



Cyan (75%)

Magenta (53%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 54.699, 283.126 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 51, 54.699, 283.126 by changing the saturation by 10% instead.

■ 51, 54.699,
283.126

■ 51, 54.699,
283.126

■ 100, 54.699,
283.126

■ 41, 54.699,
283.126

■ 71, 54.699,
283.126

■ 31, 54.699,
283.126

■ 81, 54.699,
283.126

■ 21, 54.699,
283.126

■ 91, 54.699,
283.126

■ 11, 54.699,
283.126

■ 1, 54.699, 283.126

■ 0, 54.699, 283.126

■ 51, 54.699,
283.126

■ 51, 54.699,
283.126

■ 47, 63.058,
286.771

■ 56, 46.547,
279.828

■ 43, 71.630,
290.627

■ 60, 38.559,
276.927

■ 39, 80.297,
294.398

■ 65, 30.691,
274.423

■ 70, 22.913,
272.283

■ 75, 15.211,
270.462

■ 80, 7.585, 268.921

■ 85, 0.036, 275.433

■ 90, 7.429, 86.359

Harmonies

Complementary

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



51, 54.699, 283.126



68, 56.179, 77.765

Rectangle

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



51, 54.699, 283.126



51, 54.699, 333.126



51, 54.699, 103.126



51, 54.699, 153.126

Sweetspot

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



51, 54.698, 283.127



88, 18.474, 270.662



77, 54.952, 161.814



45, 12.520, 271.150



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



51, 54.698, 283.127



53, 76.999, 288.620



38, 88.949, 303.687



42, 4.311, 268.836



31, 67.083, 293.791



5, 20.215, 282.071

Inverse Universe

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



51, 61.981, 1.947



56, 80.094, 7.219



82, 72.008, 109.819



42, 5.115, 351.716



36, 63.088, 13.629



5, 22.596, 2.076

Previews

White Background



This preview shows how the CIE LCh color 51, 54.699, 283.126 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 51, 54.699, 283.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

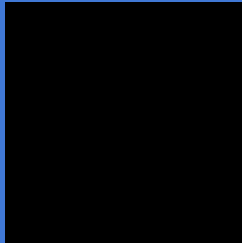
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

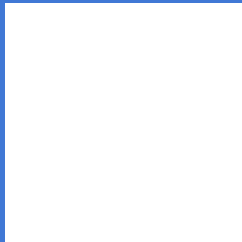
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 54.699, 283.126

Background



This preview shows how black text looks on a background with the CIELCh color 51, 54.699, 283.126.



This preview shows how white text looks on a background with the CIELCh color 51, 54.699, 283.126.

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

51, 54.699, 283.126

Protanopia

51, 54.337, 286.470

Deuteranopia

51, 53.661, 278.701



Tritanopia
51, 29.977, 209.186

Trichromacy



Original Color
51, 54.699, 283.126

Protanomaly
51, 54.470, 284.997

Deuteranomaly
51, 54.000, 280.236

Tritanomaly
50, 32.588, 245.673

Monochromacy



Original Color
51, 54.699, 283.126

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 20.855, 273.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 54.699, 283.126 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(64, 120, 213)` looks like.

```
.text, #text, p{  
    color:rgb(64, 120, 213)  
}
```

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(64, 120, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 120, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 54.699, 283.126 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(64, 120, 213) }
```

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

```
.border{ border-color:rgb(64, 120, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 120, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 120, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 120, 213);  
box-shadow:4px 4px 4px 4px rgb(64, 120,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 54.699, 283.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 120, 213) }
```

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

```
.background{ background-color: rgb(64, 120,  
213) }
```

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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