

Converting Colors

CIELCh(51, 46.120, 282.305)

Have a look what the booklet for
CIELCh(51, 46.120, 282.305)
contains.

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Color

CIELCh(51, 46.022, 282.226)

Conversions

Conversions Part 1

Format	Color
Hex	4F78C6
RGB	79, 120, 198
RGB Percent	31%, 47%, 78%
CMY	0.6889, 0.5283, 0.2223
CMYK	0.60, 0.39, 0.00, 0.22
HSL	219°, 51%, 54%
HSV	219°, 60%, 78%
XYZ	20.2317, 19.2686, 56.2676
YIQ	116.6330, -49.4740, 15.5660

Conversions

Conversions Part 2

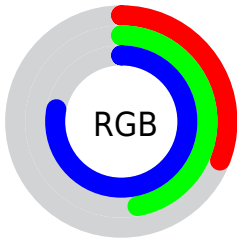
Format	Color
R _Y B	79, 109, 198
Decimal	5208262
CIE Lab	51.00, 9.75, -44.98
CIE LCh	51, 46.022, 282.226
Yxy	19.2686, 0.2113, 0.2012
Android (android.graphics.Color)	4283398342 (0xFF4F78C6)
YUV	116.6330, 40.1139, -33.0041
Hunter-Lab	43.8960, 5.4526, -45.2729

Details

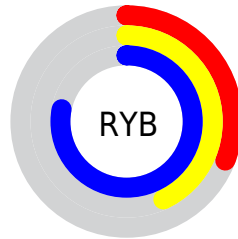
The CIELCh color **51, 46.022, 282.226** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **67, 46.287, 82.166**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 45.888, 282.099**, and **31, 46.266, 283.091** is the 20% darker color. If you saturate the color by 10%, you get **46, 54.231, 285.414**, and if you desaturate by 10%, it is **56, 38.013, 279.414**.

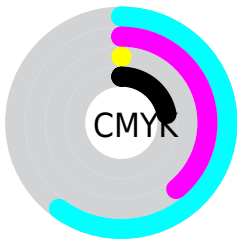
Distribution



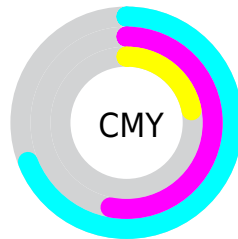
- Red (31%)
- Green (47%)
- Blue (78%)



- Red (31%)
- Yellow (43%)
- Blue (78%)



- Cyan (60%)
- Magenta (39%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (53%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 46.022, 282.226 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, 46.022, 282.226 by changing the saturation by 10% instead.

■ 51, 46.022,
282.226

■ 51, 46.022,
282.226

■ 100, 46.022,
282.226

■ 41, 46.022,
282.226

■ 71, 46.022,
282.226

■ 31, 46.022,
282.226

■ 81, 46.022,
282.226

■ 21, 46.022,
282.226

■ 91, 46.022,
282.226

■ 11, 46.022,
282.226

■ 1, 46.022, 282.226

■ 0, 46.022, 282.226

51, 46.022,
282.226

51, 46.022,
282.226

46, 54.231,
285.414

56, 38.013,
279.414

42, 62.667,
288.916

60, 30.168,
276.979

38, 71.294,
292.598

65, 22.457,
274.891

35, 79.962,
296.168

70, 14.864,
273.109

35, 79.970,
296.171

75, 7.379, 271.597

80, 0.005, 335.135

85, 7.266, 89.084

90, 14.423, 88.118

94, 21.086, 90.007

Harmonies

Complementary

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



51, 46.022, 282.226



67, 46.287, 82.166

Rectangle

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



51, 46.022, 282.226



51, 46.022, 332.226



51, 46.022, 102.226



51, 46.022, 152.226

Sweetspot

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



51, 46.021, 282.227



89, 16.394, 272.830



73, 44.668, 165.691



46, 11.415, 273.313



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, 46.021, 282.227



58, 68.646, 286.464



42, 71.240, 302.782



39, 4.197, 271.514



28, 68.171, 295.633



4, 16.494, 280.440

Inverse Universe

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



51, 51.219, 1.611



59, 72.742, 5.337



77, 60.379, 111.869



39, 4.725, 353.794



34, 61.517, 16.459



4, 16.722, 1.958

Previews

White Background



This preview shows how the CIE LCh color 51, 46.022, 282.226 looks on a white background.

Color Contrast Check

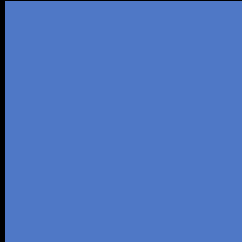
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.022, 282.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

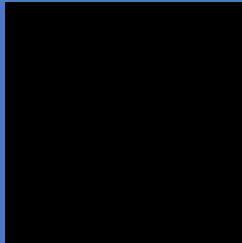
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 46.022, 282.226

Background



This preview shows how black text looks on a background with the CIELCh color 51, 46.022, 282.226.

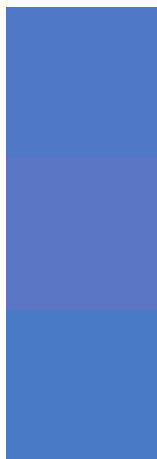


This preview shows how white text looks on a background with the CIELCh color 51, 46.022, 282.226.

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, 46.022, 282.226

Protanopia

51, 46.231, 286.228

Deuteranopia

51, 45.163, 279.416



Tritanopia
51, 24.074, 212.841

Trichromacy



Original Color
51, 46.022, 282.226

Protanomaly
51, 45.781, 284.481

Deuteranomaly
51, 45.626, 280.569

Tritanomaly
51, 26.805, 248.323

Monochromacy



Original Color
51, 46.022, 282.226

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 17.618, 275.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 46.022, 282.226 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(79, 120, 198)` looks like.

```
.text, #text, p{  
    color:rgb(79, 120, 198)  
}
```

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(79, 120, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 120, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 46.022, 282.226 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(79, 120, 198) }
```

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

```
.border{ border-color:rgb(79, 120, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 120, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 120, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 120, 198);  
box-shadow:4px 4px 4px 4px rgb(79, 120,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 46.022, 282.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 120, 198) }
```

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

```
.background{ background-color: rgb(79, 120,  
198) }
```

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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