

Converting Colors

CIELCh(47, 46.649, 279.892)

Have a look what the booklet for
CIELCh(47, 46.649, 279.892)
contains.

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Color

CIELCh(47, 47.011, 280.165)

Conversions

Conversions Part 1

Format	Color
Hex	396FBD
RGB	57, 111, 189
RGB Percent	22%, 44%, 74%
CMY	0.7745, 0.5633, 0.2573
CMYK	0.70, 0.41, 0.00, 0.26
HSL	216°, 53%, 48%
HSV	216°, 70%, 74%
XYZ	16.6647, 16.0195, 50.5792
YIQ	103.7460, -57.2220, 12.8100

Conversions

Conversions Part 2

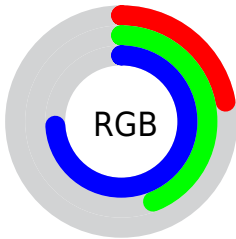
Format	Color
R_{YB}	57, 95, 189
Decimal	3764157
CIE _{Lab}	47.00, 8.30, -46.27
CIE _{LCh}	47, 47.011, 280.165
Yxy	16.0195, 0.2001, 0.1924
Android (android.graphics.Color)	4281954237 (0xFF396FBD)
YUV	103.7460, 42.0302, -40.9962
Hunter-Lab	40.0243, 4.2784, -46.9085

Details

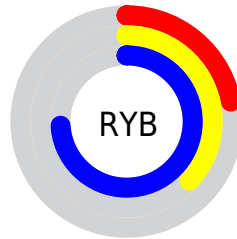
The CIELCh color **47, 47.011, 280.165** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **60, 50.294, 75.043**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 47.215, 280.447**, and **28, 46.169, 285.283** is the 20% darker color. If you saturate the color by 10%, you get **43, 54.059, 283.864**, and if you desaturate by 10%, it is **51, 40.104, 276.846**.

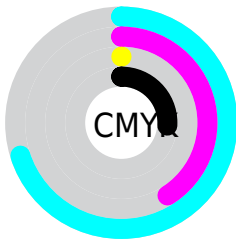
Distribution



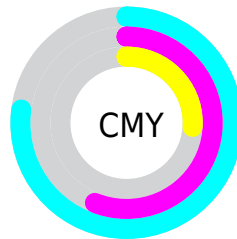
- Red (22%)
- Green (44%)
- Blue (74%)



- Red (22%)
- Yellow (37%)
- Blue (74%)



- Cyan (70%)
- Magenta (41%)
- Yellow (0%)
- Black (26%)




- Cyan (77%)
- Magenta (56%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 47.011, 280.165 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 47, 47.011, 280.165 by changing the saturation by 10% instead.

 47, 47.011,
280.165


 47, 47.011,
280.165


 100, 47.011,
280.165


 37, 47.011,
280.165

 67, 47.011,
280.165


 27, 47.011,
280.165

 77, 47.011,
280.165

 17, 47.011,
280.165

 87, 47.011,
280.165

 7, 47.011, 280.165

 97, 47.011,
280.165

 0, 47.011, 280.165

 47, 47.011,

 47, 47.011,

280.165

■ 43, 54.059,
283.864

■ 40, 61.290,
287.825

■ 36, 68.700,
291.769

■ 36, 68.967,
291.899

280.165

■ 51, 40.104,
276.846

■ 55, 33.289,
273.942

■ 59, 26.526,
271.443

■ 64, 19.795,
269.313

■ 68, 13.089,
267.504

■ 73, 6.412, 265.977

■ 77, 0.228, 83.358

■ 81, 6.820, 83.425

■ 86, 13.355, 82.456

Harmonies

Complementary

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



47, 47.011, 280.165



60, 50.294, 75.043

Rectangle

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



47, 47.011, 280.165



47, 47.011, 330.165



47, 47.011, 100.165



47, 47.011, 150.165

Sweetspot

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



47, 47.010, 280.166



86, 17.388, 267.791



69, 51.526, 159.933



45, 11.872, 268.281



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



47, 47.010, 280.166



54, 71.106, 286.114



34, 80.579, 302.957



38, 3.757, 265.937



30, 59.472, 291.317



3, 12.619, 274.865

Inverse Universe

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



46, 56.654, 359.214



55, 78.316, 4.384



74, 65.170, 108.197



37, 4.695, 349.689



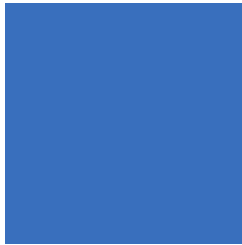
33, 59.195, 10.186



3, 13.338, 356.878

Previews

White Background



This preview shows how the CIELCh color 47, 47.011, 280.165 looks on a white 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

Black Background



This preview shows how the CIE LCh color 47, 47.011, 280.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

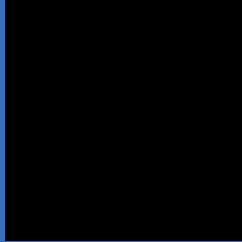
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 47.011, 280.165

Background



This preview shows how black text looks on a background with the CIELCh color 47, 47.011, 280.165.



This preview shows how white text looks on a background with the CIELCh color 47, 47.011, 280.165.

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

47, 47.011, 280.165

Protanopia

47, 46.359, 286.169

Deuteranopia

47, 46.599, 278.736



Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 47.011, 280.165

Protanomaly
47, 46.558, 283.972

Deuteranomaly
47, 46.526, 279.114

Tritanomaly
47, 29.764, 242.427

Monochromacy



Original Color
47, 47.011, 280.165

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 17.848, 269.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 47.011, 280.165 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(57, 111, 189)` looks like.

```
.text, #text, p{  
    color:rgb(57, 111, 189)  
}
```

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(57, 111, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 111, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 47.011, 280.165 is called "border". The border property can be set on classes, ids or directly on the HTML element.

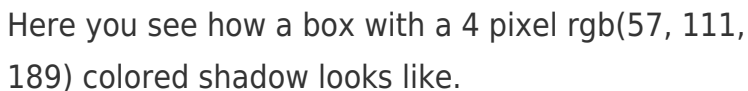
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(57, 111, 189) }
```

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

```
.border{ border-color:rgb(57, 111, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(57, 111, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 111, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 111, 189); box-shadow:4px 4px 4px 4px rgb(57, 111, 189) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 47.011, 280.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 111, 189) }
```

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

```
.background{ background-color: rgb(57, 111,  
189) }
```

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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