

Converting Colors

CIELCh(47, 51.027, 283.643)

Have a look what the booklet for
CIELCh(47, 51.027, 283.643)
contains.

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Color

CIELCh(47, 50.739, 283.356)

Conversions

Conversions Part 1

Format	Color
Hex	3D6EC3
RGB	61, 110, 195
RGB Percent	24%, 43%, 76%
CMY	0.7619, 0.5694, 0.2362
CMYK	0.69, 0.44, 0.00, 0.24
HSL	218°, 53%, 50%
HSV	218°, 69%, 76%
XYZ	17.2839, 16.0195, 53.6707
YIQ	105.0390, -56.4890, 16.0470

Conversions

Conversions Part 2

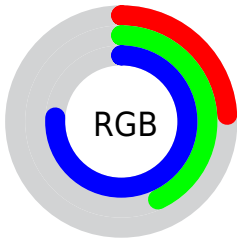
Format	Color
R_{YB}	61, 97, 195
Decimal	4026051
CIE _{Lab}	47.00, 11.72, -49.37
CIE _{LCh}	47, 50.739, 283.356
Yxy	16.0195, 0.1987, 0.1842
Android (android.graphics.Color)	4282216131 (0xFF3D6EC3)
YUV	105.0390, 44.3508, -38.6222
Hunter-Lab	40.0243, 7.0400, -51.4881

Details

The CIELCh color **47, 50.739, 283.356** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **64, 51.626, 78.914**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 50.714, 283.484**, and **28, 50.409, 287.865** is the 20% darker color. If you saturate the color by 10%, you get **43, 58.654, 286.897**, and if you desaturate by 10%, it is **51, 43.022, 280.163**.

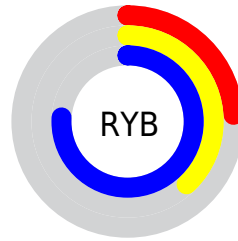
Distribution



Red (24%)

Green (43%)

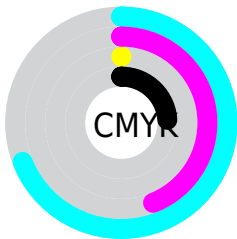
Blue (76%)



Red (24%)

Yellow (38%)

Blue (76%)

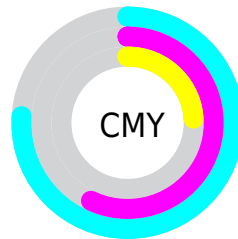


Cyan (69%)

Magenta (44%)

Yellow (0%)

Black (24%)



Cyan (76%)

Magenta (57%)


Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 50.739, 283.356 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, 50.739, 283.356 by changing the saturation by 10% instead.


 47, 50.739,
283.356


 47, 50.739,
283.356


 100, 50.739,
283.356


 37, 50.739,
283.356

 67, 50.739,
283.356


 27, 50.739,
283.356

 77, 50.739,
283.356

 17, 50.739,
283.356

 87, 50.739,
283.356

 7, 50.739, 283.356

 97, 50.739,
283.356

 0, 50.739, 283.356

 47, 50.739,

 47, 50.739,

283.356

■ 43, 58.654,
286.897

■ 39, 66.772,
290.663

■ 35, 75.009,
294.403

■ 35, 75.981,
294.808

283.356

■ 51, 43.022,
280.163

■ 56, 35.466,
277.358

■ 60, 28.032,
274.938

■ 65, 20.694,
272.868

■ 70, 13.441,
271.104

■ 75, 6.268, 269.612

■ 79, 0.821, 87.955

■ 84, 7.823, 87.116

■ 89, 14.732, 86.158

Harmonies

Complementary

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



47, 50.739, 283.356



64, 51.626, 78.914

Rectangle

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



47, 50.739, 283.356



47, 50.739, 333.356



47, 50.739, 103.356



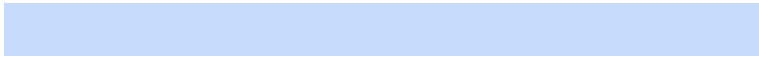
47, 50.739, 153.356

Sweetspot

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



47, 50.739, 283.357



87, 18.536, 271.519



71, 49.732, 163.165



45, 12.668, 272.007



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 50.739, 283.357



53, 76.665, 288.940



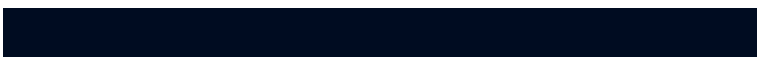
36, 81.207, 303.743



38, 4.012, 269.686



29, 64.883, 294.244



3, 14.652, 278.280

Inverse Universe

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



47, 56.889, 2.260



56, 78.991, 7.650



75, 66.352, 110.696



38, 4.682, 352.352



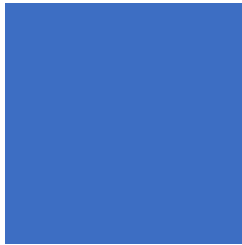
34, 60.396, 14.304



3, 14.910, 0.033

Previews

White Background



This preview shows how the CIELCh color 47, 50.739, 283.356 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, 50.739, 283.356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

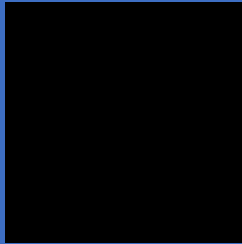
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

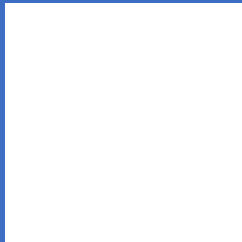
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 50.739, 283.356

Background



This preview shows how black text looks on a background with the CIELCh color 47, 50.739, 283.356.



This preview shows how white text looks on a background with the CIELCh color 47, 50.739, 283.356.

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, 50.739, 283.356

Protanopia

47, 50.452, 286.495

Deuteranopia

47, 49.660, 278.610



Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 50.739, 283.356

Protanomaly
47, 50.530, 285.287

Deuteranomaly
47, 50.016, 280.232

Tritanomaly
46, 30.198, 245.006

Monochromacy



Original Color
47, 50.739, 283.356

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 19.278, 273.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 50.739, 283.356 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(61, 110, 195)` looks like.

```
.text, #text, p{  
    color:rgb(61, 110, 195)  
}
```

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(61, 110, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 110, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 50.739, 283.356 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(61, 110, 195) }
```

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

```
.border{ border-color:rgb(61, 110, 195) }
```

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

Here you see how a box with a 4 pixel rgb(61, 110, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 110, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 110, 195);  
box-shadow:4px 4px 4px 4px rgb(61, 110,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 50.739, 283.356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 110, 195) }
```

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

```
.background{ background-color: rgb(61, 110,  
195) }
```

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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