

Converting Colors

CIELCh(47, 46.578, 283.731)

Have a look what the booklet for
CIELCh(47, 46.578, 283.731)
contains.

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Color

CIELCh(47, 46.531, 283.629)

Conversions

Conversions Part 1

Format	Color
Hex	476EBC
RGB	71, 110, 188
RGB Percent	28%, 43%, 74%
CMY	0.7232, 0.5699, 0.2642
CMYK	0.62, 0.42, 0.00, 0.26
HSL	220°, 46%, 51%
HSV	220°, 62%, 74%
XYZ	17.1458, 16.0195, 49.5553
YIQ	107.2310, -48.2820, 15.9900

Conversions

Conversions Part 2

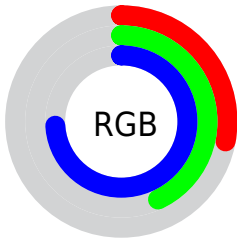
Format	Color
R _Y B	71, 100, 188
Decimal	4681404
CIE Lab	47.00, 10.96, -45.22
CIE LCh	47, 46.531, 283.629
Yxy	16.0195, 0.2073, 0.1937
Android (android.graphics.Color)	4282871484 (0xFF476EBC)
YUV	107.2310, 39.8191, -31.7746
Hunter-Lab	40.0243, 6.4241, -45.3917

Details

The CIELCh color **47, 46.531, 283.629** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **64, 46.250, 82.707**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 46.788, 283.727**, and **28, 46.237, 285.608** is the 20% darker color. If you saturate the color by 10%, you get **43, 54.585, 286.850**, and if you desaturate by 10%, it is **52, 38.688, 280.767**.

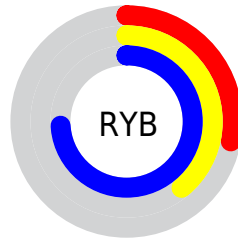
Distribution



Red (28%)

Green (43%)

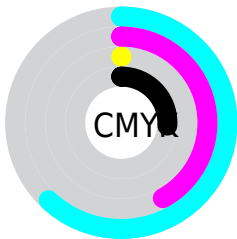
Blue (74%)



Red (28%)

Yellow (39%)

Blue (74%)

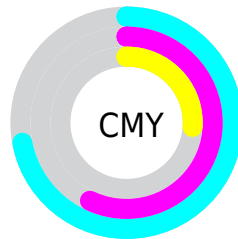


Cyan (62%)

Magenta (42%)

Yellow (0%)

Black (26%)



Cyan (72%)

Magenta (57%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 46.531, 283.629 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, 46.531, 283.629 by changing the saturation by 10% instead.

■ 47, 46.531,
283.629

■ 47, 46.531,
283.629

■ 100, 46.531,
283.629

■ 37, 46.531,
283.629

■ 67, 46.531,
283.629

■ 27, 46.531,
283.629

■ 77, 46.531,
283.629

■ 17, 46.531,
283.629

■ 87, 46.531,
283.629

■ 7, 46.531, 283.629

■ 97, 46.531,
283.629

■ 0, 46.531, 283.629

■ 47, 46.531,

■ 47, 46.531,

283.629

283.629

■ 43, 54.585,
286.850

■ 52, 38.688,
280.767

■ 39, 62.859,
290.352

■ 56, 31.024,
278.276

■ 35, 71.283,
293.981

■ 61, 23.508,
276.135

■ 32, 77.694,
296.610

■ 66, 16.120,
274.304

■ 70, 8.850, 272.745

■ 75, 1.692, 271.507

■ 80, 5.353, 90.165

■ 84, 12.285, 89.180

■ 89, 19.101, 88.306

Harmonies

Complementary

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



47, 46.531, 283.629



64, 46.250, 82.707

Rectangle

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



47, 46.531, 283.629



47, 46.531, 333.629



47, 46.531, 103.629



47, 46.531, 153.629

Sweetspot

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



47, 46.530, 283.630



85, 16.951, 273.800



69, 44.074, 165.354



44, 11.687, 274.271



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



47, 46.530, 283.630



54, 70.522, 288.176



38, 70.981, 303.099



37, 4.063, 272.325



27, 67.520, 296.126



3, 13.458, 278.778

Inverse Universe

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



47, 50.600, 2.922



56, 72.454, 7.163



73, 59.672, 111.766



37, 4.498, 354.469



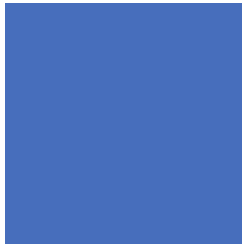
33, 60.274, 17.258



3, 12.978, 0.897

Previews

White Background



This preview shows how the CIELCh color 47, 46.531, 283.629 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, 46.531, 283.629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

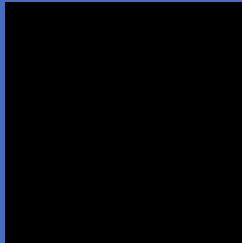
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 46.531, 283.629

Background



This preview shows how black text looks on a background with the CIELCh color 47, 46.531, 283.629.



This preview shows how white text looks on a background with the CIELCh color 47, 46.531, 283.629.

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, 46.531, 283.629

Protanopia

47, 46.359, 286.169

Deuteranopia

47, 45.333, 279.015



Tritanopia
47, 24.035, 211.496

Trichromacy



Original Color
47, 46.531, 283.629

Protanomaly
47, 46.423, 285.003

Deuteranomaly
47, 45.698, 280.784

Tritanomaly
47, 26.516, 248.066

Monochromacy



Original Color
47, 46.531, 283.629

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 17.225, 275.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 46.531, 283.629 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(71, 110, 188)` looks like.

```
.text, #text, p{  
    color:rgb(71, 110, 188)  
}
```

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(71, 110, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 110, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 46.531, 283.629 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(71, 110, 188) }
```

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

```
.border{ border-color:rgb(71, 110, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 110, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 110, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 110, 188);  
box-shadow:4px 4px 4px 4px rgb(71, 110,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 46.531, 283.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 110, 188) }
```

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

```
.background{ background-color: rgb(71, 110,  
188) }
```

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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