

Converting Colors

CIELCh(47, 56.508, 296.921)

Have a look what the booklet for
CIELCh(47, 56.508, 296.921)
contains.

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Color

CIELCh(47, 56.598, 296.914)

Conversions

Conversions Part 1

Format	Color
Hex	6465C5
RGB	100, 101, 197
RGB Percent	39%, 40%, 77%
CMY	0.6082, 0.6043, 0.2279
CMYK	0.49, 0.49, 0.00, 0.23
HSL	239°, 45%, 58%
HSV	239°, 49%, 77%
XYZ	19.9548, 16.0195, 54.8006
YIQ	111.6450, -31.4120, 29.6440

Conversions

Conversions Part 2

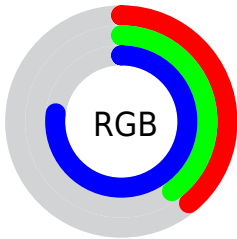
Format	Color
R _Y B	100, 101, 197
Decimal	6579653
CIE Lab	47.00, 25.62, -50.47
CIE LCh	47, 56.598, 296.914
Yxy	16.0195, 0.2198, 0.1765
Android (android.graphics.Color)	4284769733 (0xFF6465C5)
YUV	111.6450, 42.0800, -10.2127
Hunter-Lab	40.0243, 18.9517, -53.1619

Details

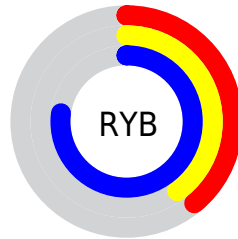
The CIELCh color $47, 56.598, 296.914$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $77, 49.553, 105.056$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 56.372, 296.791$, and $27, 56.604, 297.079$ is the 20% darker color. If you saturate the color by 10%, you get $41, 69.398, 299.045$, and if you desaturate by 10%, it is $54, 44.170, 295.004$.

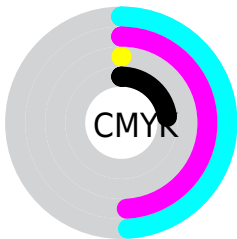
Distribution



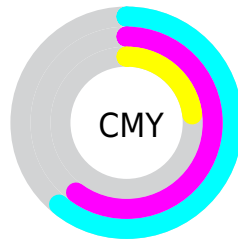
- Red (39%)
- Green (40%)
- Blue (77%)



- Red (39%)
- Yellow (40%)
- Blue (77%)



- Cyan (49%)
- Magenta (49%)
- Yellow (0%)
- Black (23%)





- Cyan (61%)
- Magenta (60%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 56.598, 296.914 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, 56.598, 296.914 by changing the saturation by 10% instead.


 47, 56.598,
296.914


 47, 56.598,
296.914


 100, 56.598,
296.914


 37, 56.598,
296.914

 67, 56.598,
296.914


 27, 56.598,
296.914

 77, 56.598,
296.914

 17, 56.598,
296.914

 87, 56.598,
296.914

 7, 56.598, 296.914

 97, 56.598,
296.914

 0, 56.598, 296.914

 47, 56.598,

 47, 56.598,

296.914

41, 69.398,
299.045

35, 82.204,
301.288

30, 94.133,
303.420

26, 103.628,
305.114

24, 109.321,
306.110

24, 109.680,
306.171

296.914

54, 44.170,
295.004

60, 32.229,
293.344

67, 20.780,
291.926

73, 9.797, 290.723

80, 0.754, 109.604

86, 10.908,
108.817

93, 20.692,
108.078

99, 29.282,
107.952

Harmonies

Complementary

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



47, 56.598, 296.914



77, 49.553, 105.056

Rectangle

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



47, 56.598, 296.914



47, 56.598, 346.914



47, 56.598, 116.914



47, 56.598, 166.914

Sweetspot

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



47, 56.597, 296.915



88, 19.800, 291.416



74, 29.950, 195.484



45, 13.566, 291.682



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, 56.597, 296.915



52, 85.323, 299.188



51, 58.039, 311.043



38, 6.049, 290.737



19, 95.318, 306.141



1, 21.351, 291.486

Inverse Universe

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



54, 42.411, 24.193



64, 64.251, 26.689



74, 53.812, 126.201



39, 4.278, 19.079



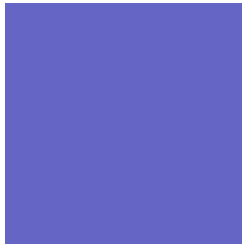
34, 74.223, 39.357



3, 15.887, 18.864

Previews

White Background



This preview shows how the CIELCh color 47, 56.598, 296.914 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, 56.598, 296.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

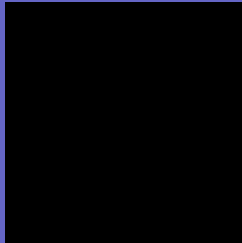
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 47, 56.598, 296.914

Background



This preview shows how black text looks on a background with the CIELCh color 47, 56.598, 296.914.



This preview shows how white text looks on a background with the CIELCh color 47, 56.598, 296.914.

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, 56.598, 296.914

Protanopia

47, 56.870, 286.907

Deuteranopia

47, 49.082, 278.103



Tritanopia
47, 14.431, 222.527

Trichromacy



Original Color
47, 56.598, 296.914

Protanomaly
47, 56.724, 290.135

Deuteranomaly
47, 51.266, 284.305

Tritanomaly
47, 25.171, 275.401

Monochromacy



Original Color
47, 56.598, 296.914

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 20.764, 292.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 56.598, 296.914 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(100, 101, 197)` looks like.

```
.text, #text, p{  
    color:rgb(100, 101, 197)  
}
```

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(100, 101, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 101, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 56.598, 296.914 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(100, 101, 197) }
```

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

```
.border{ border-color:rgb(100, 101, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 101, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 101, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 101, 197); box-shadow:4px 4px 4px 4px rgb(100, 101, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 56.598, 296.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 101, 197) }
```

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

```
.background{ background-color: rgb(100,  
101, 197) }
```

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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