

Converting Colors

CIELCh(57, 47.125, 335.196)

Have a look what the booklet for
CIELCh(57, 47.125, 335.196)
contains.

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Color

CIELCh(57, 46.831, 335.311)

Conversions

Conversions Part 1

Format	Color
Hex	C16CAC
RGB	193, 108, 172
RGB Percent	76%, 42%, 67%
CMY	0.2444, 0.5776, 0.3267
CMYK	0.00, 0.44, 0.11, 0.24
HSL	315°, 41%, 59%
HSV	315°, 44%, 76%
XYZ	34.6563, 24.9227, 41.8572
YIQ	140.7110, 30.1160, 37.9240

Conversions

Conversions Part 2

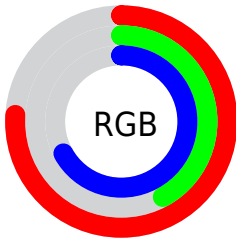
Format	Color
RYB	193, 108, 172
Decimal	12676268
CIELab	57.00, 42.55, -19.56
CIELCh	57, 46.831, 335.311
Yxy	24.9227, 0.3417, 0.2457
Android (android.graphics.Color)	4290866348 (0xFFC16CAC)
YUV	140.7110, 15.4255, 45.8575
Hunter-Lab	49.9226, 36.5501, -14.7653

Details

The CIELCh color $57, 46.831, 335.311$ is a light color, and the websafe version is hex `CC6699`. A complement of this color would be $71, 46.601, 148.395$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 47.318, 335.072$, and $37, 46.861, 335.302$ is the 20% darker color. If you saturate the color by 10%, you get $53, 56.284, 336.124$, and if you desaturate by 10%, it is $61, 36.574, 334.546$.

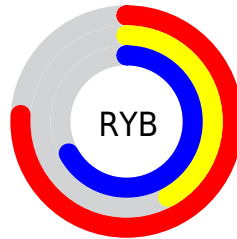
Distribution



Red (76%)

Green (42%)

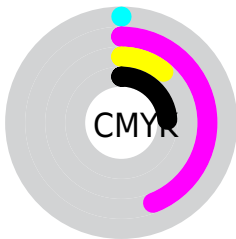
Blue (67%)



Red (76%)

Yellow (42%)

Blue (67%)

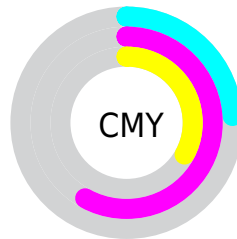


Cyan (0%)

Magenta (44%)

Yellow (11%)

Black (24%)



Cyan (24%)


Magenta (58%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 46.831, 335.311 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 57, 46.831, 335.311 by changing the saturation by 10% instead.


 57, 46.831,
335.311


 57, 46.831,
335.311


 100, 46.831,
335.311


 47, 46.831,
335.311


 77, 46.831,
335.311

 37, 46.831,
335.311

 87, 46.831,
335.311

 27, 46.831,
335.311

 97, 46.831,
335.311

 17, 46.831,
335.311

 7, 46.831, 335.311

 0, 46.831, 335.311

57, 46.831,
335.311

57, 46.831,
335.311

53, 56.284,
336.124

61, 36.574,
334.546

50, 64.473,
337.001

66, 25.904,
333.819

47, 70.896,
337.971

71, 15.102,
333.122

45, 75.142,
339.075

76, 4.363, 332.415

81, 6.191, 151.914


44, 77.045,
340.366

86, 16.486,
151.291

43, 77.433,
341.203

91, 26.488,
150.723

95, 32.116,
151.375

 95, 30.304,
154.407

Harmonies

Complementary

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



57, 46.831, 335.311



71, 46.601, 148.395

Rectangle

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



57, 46.831, 335.311



57, 46.831, 25.311



57, 46.831, 155.311



57, 46.831, 205.311

Sweetspot

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



57, 46.828, 335.311



90, 17.188, 333.060



51, 50.003, 303.002



47, 12.040, 333.214



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



57, 46.828, 335.311



68, 68.152, 336.102



56, 36.450, 3.927



38, 6.082, 332.797



36, 67.835, 340.982



4, 19.155, 337.129

Inverse Universe

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



57, 46.828, 335.311



68, 68.152, 336.102



72, 31.386, 173.776



38, 6.082, 332.797



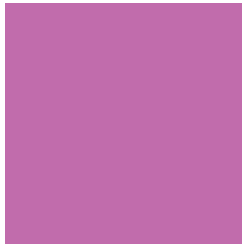
36, 67.835, 340.982



4, 19.155, 337.129

Previews

White Background



This preview shows how the CIELCh color 57, 46.831, 335.311 looks on a white background.

Color Contrast Check

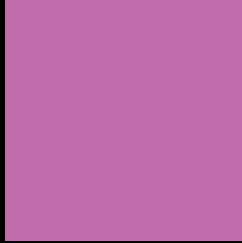
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 57, 46.831, 335.311 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 57, 46.831, 335.311

Background



This preview shows how black text looks on a background with the CIELCh color 57, 46.831, 335.311.



This preview shows how white text looks on a background with the CIELCh color 57, 46.831, 335.311.

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
57, 46.831, 335.311

Protanopia
57, 32.663, 285.533

Deuteranopia
57, 18.881, 294.514



Tritanopia
57, 29.423, 13.139

Trichromacy



Original Color
57, 46.831, 335.311



Protanomaly
56, 35.221, 305.679



Deuteranomaly
57, 28.475, 317.903

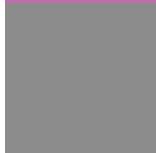


Tritanomaly
57, 33.547, 354.691

Monochromacy



Original Color
57, 46.831, 335.311



Achromatopsia
58, 0.007, 296.813



Achromatomaly
57, 18.167, 332.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 46.831, 335.311 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(193, 108, 172)` looks like.

```
.text, #text, p{  
    color:rgb(193, 108, 172)  
}
```

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(193, 108, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 108, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 46.831, 335.311 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(193, 108, 172) }
```

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

```
.border{ border-color:rgb(193, 108, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 108, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 108, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 108, 172); box-shadow:4px 4px 4px 4px rgb(193, 108, 172) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 46.831, 335.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 108, 172) }
```

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

```
.background{ background-color: rgb(193,  
108, 172) }
```

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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