

Converting Colors

CIELCh(48, 57.644, 307.084)

Have a look what the booklet for
CIELCh(48, 57.644, 307.084)
contains.

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Color

CIELCh(48, 57.254, 306.859)

Conversions

Conversions Part 1

Format	Color
Hex	8160C0
RGB	129, 96, 192
RGB Percent	51%, 38%, 75%
CMY	0.4947, 0.6241, 0.2477
CMYK	0.33, 0.50, 0.00, 0.25
HSL	261°, 43%, 56%
HSV	261°, 50%, 75%
XYZ	22.6975, 16.7945, 51.8244
YIQ	116.8110, -11.1480, 36.8520

Conversions

Conversions Part 2

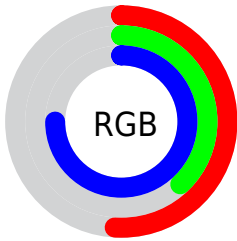
Format	Color
R_{YB}	129, 96, 192
Decimal	8478912
CIE _{Lab}	48.00, 34.34, -45.81
CIE _{LCh}	48, 57.254, 306.859
Yxy	16.7945, 0.2486, 0.1839
Android (android.graphics.Color)	4286668992 (0xFF8160C0)
YUV	116.8110, 37.0682, 10.6898
Hunter-Lab	40.9810, 27.1460, -46.2911

Details

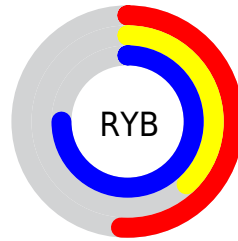
The CIELCh color $48, 57.254, 306.859$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $73, 51.673, 120.806$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 57.441, 306.783$, and $28, 57.560, 306.813$ is the 20% darker color. If you saturate the color by 10%, you get $42, 69.199, 307.663$, and if you desaturate by 10%, it is $54, 45.255, 306.057$.

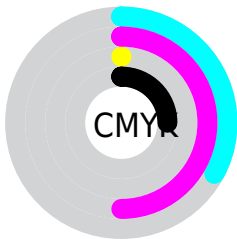
Distribution



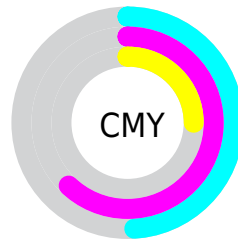
- Red (51%)
- Green (38%)
- Blue (75%)



- Red (51%)
- Yellow (38%)
- Blue (75%)



- Cyan (33%)
- Magenta (50%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (62%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 57.254, 306.859 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 48, 57.254, 306.859 by changing the saturation by 10% instead.

 48, 57.254,
306.859


 48, 57.254,
306.859


 100, 57.254,
306.859


 38, 57.254,
306.859

 68, 57.254,
306.859


 28, 57.254,
306.859

 78, 57.254,
306.859

 18, 57.254,
306.859

 88, 57.254,
306.859

 8, 57.254, 306.859

 98, 57.254,
306.859

 0, 57.254, 306.859

 48, 57.254,

 48, 57.254,

306.859

42, 69.199,
307.663

37, 80.642,
308.392

33, 90.837,
308.925

29, 98.769,
309.103

27, 104.052,
308.913

306.859

54, 45.255,
306.057

60, 33.448,
305.298

66, 21.950,
304.603


72, 10.810,
303.978

78, 0.042, 301.962

84, 10.359,
122.959

89, 20.408,
122.536

95, 30.121,
122.172

 98, 32.209,
116.411

Harmonies

Complementary

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



48, 57.254, 306.859



73, 51.673, 120.806

Rectangle

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



48, 57.254, 306.859



48, 57.254, 356.859



48, 57.254, 126.859



48, 57.254, 176.859

Sweetspot

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



48, 57.253, 306.859



87, 20.211, 304.295



63, 25.627, 242.964



45, 13.835, 304.430



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



48, 57.253, 306.859



55, 85.753, 307.736



53, 60.075, 321.946



38, 6.153, 303.940



22, 91.088, 309.044



2, 19.810, 300.373

Inverse Universe

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



54, 49.184, 340.268



65, 70.959, 341.494



71, 59.221, 136.746



38, 5.676, 336.734



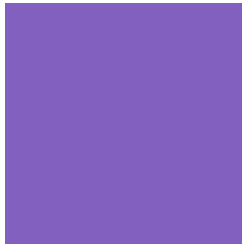
35, 63.778, 347.945



3, 17.605, 342.843

Previews

White Background



This preview shows how the CIELCh color 48, 57.254, 306.859 looks on a white background.

Color Contrast Check

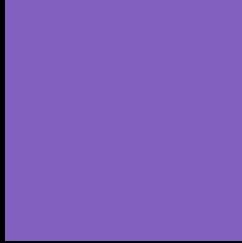
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 57.254, 306.859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

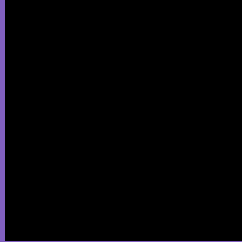
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 57.254, 306.859

Background



This preview shows how black text looks on a background with the CIELCh color 48, 57.254, 306.859.




This preview shows how white text looks on a background with the CIELCh color 48, 57.254, 306.859.

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





Tritanopia
48, 5.382, 299.319

Trichromacy



Original Color
48, 57.254, 306.859

Protanomaly
48, 56.466, 292.976

Deuteranomaly
48, 47.768, 289.915

Tritanomaly
48, 24.209, 304.418

Monochromacy



Original Color
48, 57.254, 306.859

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 21.206, 304.826

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 57.254, 306.859 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(129, 96, 192)` looks like.

```
.text, #text, p{  
    color:rgb(129, 96, 192)  
}
```

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(129, 96, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 96, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 57.254, 306.859 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(129, 96, 192) }
```

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

```
.border{ border-color:rgb(129, 96, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 96, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 96, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 96, 192);  
box-shadow:4px 4px 4px 4px rgb(129, 96,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 57.254, 306.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 96, 192) }
```

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

```
.background{ background-color: rgb(129, 96,  
192) }
```

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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