

Converting Colors

CIELCh(56, 57.781, 304.324)

Have a look what the booklet for
CIELCh(56, 57.781, 304.324)
contains.

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Color

CIELCh(56, 57.781, 304.324)

Conversions

Conversions Part 1

Format	Color
Hex	9176DA
RGB	145, 118, 218
RGB Percent	57%, 46%, 85%
CMY	0.4327, 0.5385, 0.1465
CMYK	0.34, 0.46, 0.00, 0.15
HSL	256°, 57%, 66%
HSV	256°, 46%, 85%
XYZ	30.6640, 23.9124, 69.0832
YIQ	137.4730, -16.0080, 36.8240

Conversions

Conversions Part 2

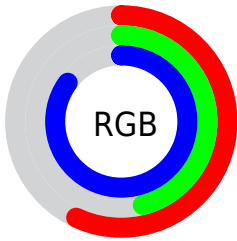
Format	Color
R _Y B	145, 118, 218
Decimal	9533146
CIE _{Lab}	56.00, 32.58, -47.72
CIE _{LCh}	56, 57.781, 304.324
Y _{xy}	23.9124, 0.2480, 0.1934
Android (android.graphics.Color)	4287723226 (0xFF9176DA)
Y _{UV}	137.4730, 39.6998, 6.6012
Hunter-Lab	48.9003, 26.3568, -49.5308

Details

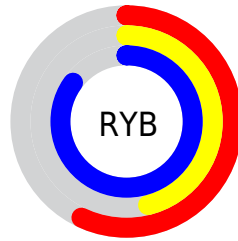
The CIELCh color $56, 57.781, 304.324$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $83, 52.079, 117.915$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 46.540, 306.000$, and $36, 57.523, 304.207$ is the 20% darker color. If you saturate the color by 10%, you get $50, 71.244, 305.342$, and if you desaturate by 10%, it is $63, 44.489, 303.363$.

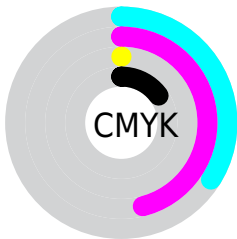
Distribution



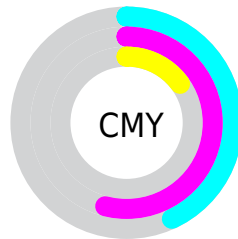
- Red (57%)
- Green (46%)
- Blue (85%)



- Red (57%)
- Yellow (46%)
- Blue (85%)



- Cyan (34%)
- Magenta (46%)
- Yellow (0%)
- Black (15%)





- Cyan (43%)
- Magenta (54%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 57.781, 304.324 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 56, 57.781, 304.324 by changing the saturation by 10% instead.


 56, 57.781,
304.324


 56, 57.781,
304.324


 100, 57.781,
304.324


 46, 57.781,
304.324


 76, 57.781,
304.324

 36, 57.781,
304.324

 86, 57.781,
304.324

 26, 57.781,
304.324

 96, 57.781,
304.324

 16, 57.781,
304.324

 6, 57.781, 304.324

 0, 57.781, 304.324

56, 57.781,
304.324

56, 57.781,
304.324

50, 71.244,
305.342

63, 44.489,
303.363

43, 84.496,
306.349

69, 31.550,
302.487

38, 96.813,
307.230

76, 19.035,
301.707

33, 107.047,
307.809

83, 6.962, 301.020

90, 4.676, 120.439

30, 113.863,
307.895

96, 15.899,
119.918

29, 115.935,
307.866

99, 18.887,
108.749

Harmonies

Complementary

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



56, 57.781, 304.324



83, 52.079, 117.915

Rectangle

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



56, 57.781, 304.324



56, 57.781, 354.324



56, 57.781, 124.324



56, 57.781, 174.324

Sweetspot

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



56, 57.780, 304.324



89, 18.962, 301.577



74, 25.895, 232.246



46, 13.142, 301.735



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 57.780, 304.324



58, 79.633, 305.297



61, 60.718, 319.752



42, 6.747, 301.252



22, 97.683, 307.995



3, 30.092, 301.565

Inverse Universe

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



63, 52.849, 336.468



68, 70.414, 337.311



80, 59.314, 135.283



43, 6.626, 333.688



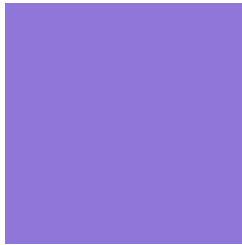
39, 70.575, 342.631



6, 28.600, 339.582

Previews

White Background



This preview shows how the CIELCh color 56, 57.781, 304.324 looks on a white background.

Color Contrast Check

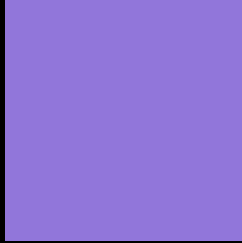
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 57.781, 304.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

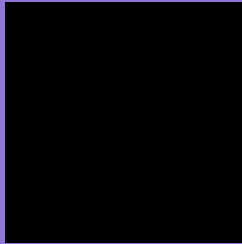
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 57.781, 304.324

Background



This preview shows how black text looks on a background with the CIELCh color 56, 57.781, 304.324.



This preview shows how white text looks on a background with the CIELCh color 56, 57.781, 304.324.

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
56, 57.781, 304.324

Protanopia
56, 56.783, 286.432

Deuteranopia
56, 46.528, 280.625



Tritanopia
56, 6.541, 274.180

Trichromacy



Original Color
56, 57.781, 304.324

Protanomaly
56, 57.110, 292.496

Deuteranomaly
56, 49.834, 289.719

Tritanomaly
56, 24.879, 298.686

Monochromacy



Original Color
56, 57.781, 304.324

Achromatopsia
57, 0.007, 296.813

Achromatomaly
56, 21.009, 302.392

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 57.781, 304.324 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(145, 118, 218)` looks like.

```
.text, #text, p{  
    color:rgb(145, 118, 218)  
}
```

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(145, 118, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 118, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 57.781, 304.324 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(145, 118, 218) }
```

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

```
.border{ border-color:rgb(145, 118, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 118, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 118, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 118, 218);  
box-shadow:4px 4px 4px 4px rgb(145, 118,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 57.781, 304.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 118, 218) }
```

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

```
.background{ background-color: rgb(145,  
118, 218) }
```

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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