

Converting Colors

CIELCh(56, 92.131, 311.732)

Have a look what the booklet for
CIELCh(56, 92.131, 311.732)
contains.

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Color

CIELCh(56, 91.591, 311.800)

Conversions

Conversions Part 1

Format	Color
Hex	AC5EFF
RGB	172, 94, 255
RGB Percent	67%, 37%, 100%
CMY	0.3264, 0.6322, 0.0010
CMYK	0.33, 0.63, 0.00, 0.00
HSL	269°, 100%, 68%
HSV	269°, 63%, 100%
XYZ	38.9520, 23.9124, 96.9615
YIQ	135.6760, -5.1930, 66.6070

Conversions

Conversions Part 2

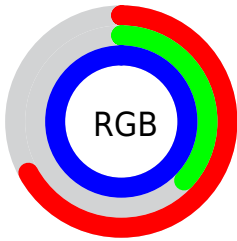
Format	Color
R _Y B	172, 94, 255
Decimal	11296511
CIE Lab	56.00, 61.05, -68.28
CIE LCh	56, 91.591, 311.800
Yxy	23.9124, 0.2437, 0.1496
Android (android.graphics.Color)	4289486591 (0xFFAC5EFF)
YUV	135.6760, 58.8267, 31.8561
Hunter-Lab	48.9003, 56.6104, -83.3323

Details

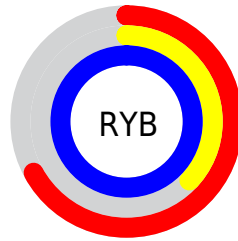
The CIELCh color **56, 91.591, 311.800** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **92, 82.775, 125.801**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 63.420, 320.189**, and **36, 91.641, 311.774** is the 20% darker color. If you saturate the color by 10%, you get **50, 104.508, 312.112**, and if you desaturate by 10%, it is **62, 77.349, 311.327**.

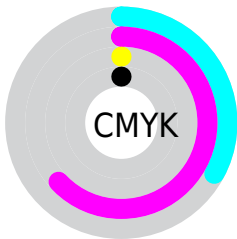
Distribution



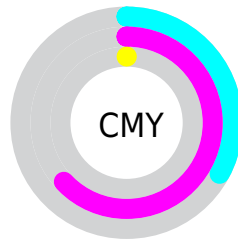
- Red (67%)
- Green (37%)
- Blue (100%)



- Red (67%)
- Yellow (37%)
- Blue (100%)



- Cyan (33%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (63%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 91.591, 311.800 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, 91.591, 311.800 by changing the saturation by 10% instead.


 56, 91.591,
311.800


 56, 91.591,
311.800


 100, 91.591,
311.800


 46, 91.591,
311.800


 76, 91.591,
311.800

 36, 91.591,
311.800

 86, 91.591,
311.800

 26, 91.591,
311.800

 96, 91.591,
311.800

 16, 91.591,
311.800

 6, 91.591, 311.800

 0, 91.591, 311.800

56, 91.591,
311.800

56, 91.591,
311.800

50, 104.508,
312.112

62, 77.349,
311.327

46, 115.099,
312.147

69, 62.528,
310.778

42, 122.332,
311.785

76, 47.602,
310.209

40, 125.384,
311.327

83, 32.850,
309.654

90, 18.423,
309.132

98, 4.395, 308.633

100, 0.114,
109.490

Harmonies

Complementary

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



56, 91.591, 311.800



92, 82.775, 125.801

Rectangle

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



56, 91.591, 311.800



56, 91.591, 1.800



56, 91.591, 131.800



56, 91.591, 181.800

Sweetspot

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



56, 91.590, 311.800



86, 26.783, 309.431



70, 46.068, 267.416



44, 18.506, 309.583



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, 91.590, 311.800



49, 107.852, 312.155



66, 93.809, 327.054



49, 7.906, 308.948



30, 100.871, 311.521



6, 44.913, 312.450

Inverse Universe

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



64, 69.420, 350.377



59, 78.507, 353.229



89, 94.890, 138.524



50, 6.450, 343.568



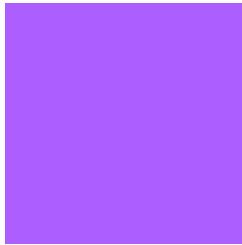
41, 68.439, 0.635



10, 32.024, 355.280

Previews

White Background



This preview shows how the CIELCh color 56, 91.591, 311.800 looks on a white background.

Color Contrast Check

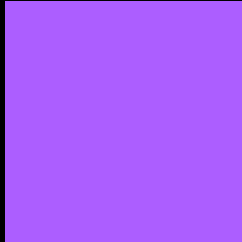
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.591, 311.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

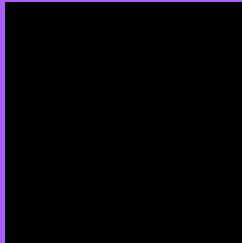
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 91.591, 311.800

Background



This preview shows how black text looks on a background with the CIELCh color 56, 91.591, 311.800.

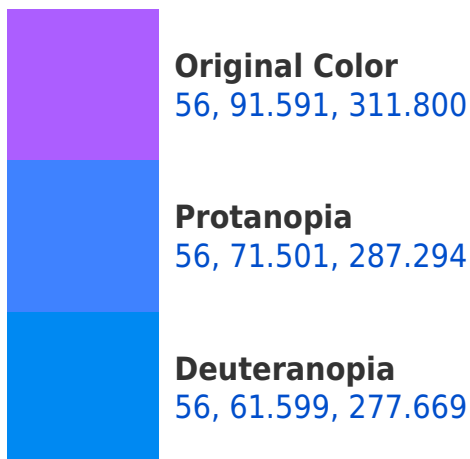


This preview shows how white text looks on a background with the CIELCh color 56, 91.591, 311.800.

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
56, 10.111, 346.120

Trichromacy



Original Color
56, 91.591, 311.800



Protanomaly
55, 78.655, 296.323



Deuteranomaly
53, 72.600, 289.151



Tritanomaly
55, 39.470, 315.352

Monochromacy



Original Color
56, 91.591, 311.800



Achromatopsia
56, 0.007, 296.813



Achromatomaly
55, 35.405, 309.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 91.591, 311.800 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(172, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 94, 255)  
}
```

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(172, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 94, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 91.591, 311.800 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(172, 94, 255) }
```

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

```
.border{ border-color:rgb(172, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 94,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 91.591, 311.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 94, 255) }
```

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

```
.background{ background-color: rgb(172, 94,  
255) }
```

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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