

Converting Colors

CIELCh(56, 77.333, 311.565)

Have a look what the booklet for
CIELCh(56, 77.333, 311.565)
contains.

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Color

CIELCh(56, 77.604, 311.518)

Conversions

Conversions Part 1

Format	Color
Hex	A766EC
RGB	167, 102, 236
RGB Percent	65%, 40%, 93%
CMY	0.3435, 0.5986, 0.0729
CMYK	0.29, 0.57, 0.00, 0.07
HSL	269°, 78%, 66%
HSV	269°, 57%, 93%
XYZ	36.0064, 23.9124, 82.3812
YIQ	136.7110, -4.2740, 55.4540

Conversions

Conversions Part 2

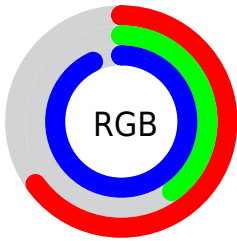
Format	Color
RYB	167, 102, 236
Decimal	10970860
CIELab	56.00, 51.44, -58.11
CIELCh	56, 77.604, 311.518
Yxy	23.9124, 0.2530, 0.1680
Android (android.graphics.Color)	4289160940 (0xFFA766EC)
YUV	136.7110, 48.9495, 26.5635
Hunter-Lab	48.9003, 45.8581, -65.6542

Details

The CIELCh color **56, 77.604, 311.518** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87, 70.976, 125.986**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 58.437, 317.424**, and **36, 77.239, 311.409** is the 20% darker color. If you saturate the color by 10%, you get **50, 90.686, 311.946**, and if you desaturate by 10%, it is **62, 63.775, 310.990**.

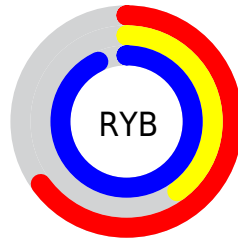
Distribution



Red (65%)

Green (40%)

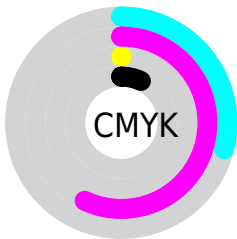
Blue (93%)



Red (65%)

Yellow (40%)

Blue (93%)

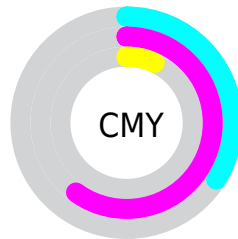


Cyan (29%)

Magenta (57%)

Yellow (0%)

Black (7%)



Cyan (34%)


Magenta (60%)

Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 77.604, 311.518 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, 77.604, 311.518 by changing the saturation by 10% instead.


 56, 77.604,
311.518


 56, 77.604,
311.518


 100, 77.604,
311.518


 46, 77.604,
311.518


 76, 77.604,
311.518

 36, 77.604,
311.518

 86, 77.604,
311.518

 26, 77.604,
311.518

 96, 77.604,
311.518

 16, 77.604,
311.518

 6, 77.604, 311.518

 0, 77.604, 311.518

56, 77.604,
311.518

56, 77.604,
311.518

50, 90.686,
311.946

62, 63.775,
310.990

45, 102.245,
312.180

69, 49.723,
310.426

41, 111.296,
312.100

75, 35.762,
309.867

38, 116.990,
311.598

82, 22.067,
309.335

37, 118.414,
311.390

89, 8.728, 308.838

96, 4.217, 128.441

99, 9.464, 114.701

100, 9.414,
109.464

Harmonies

Complementary

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



56, 77.604, 311.518



87, 70.976, 125.986

Rectangle

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



56, 77.604, 311.518



56, 77.604, 1.518



56, 77.604, 131.518



56, 77.604, 181.518

Sweetspot

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



56, 77.603, 311.518



88, 23.900, 309.354



68, 39.207, 265.141



45, 16.031, 309.459



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, 77.603, 311.518



53, 98.101, 311.999



64, 81.147, 326.820



46, 7.384, 308.972



28, 96.783, 311.583



4, 37.602, 311.115

Inverse Universe

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



62, 59.849, 349.220



62, 73.272, 351.408



84, 81.737, 139.264



46, 6.019, 343.603



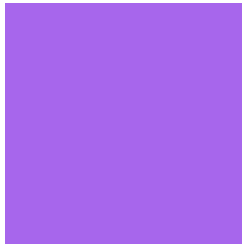
39, 65.719, 0.536



8, 28.754, 354.096

Previews

White Background



This preview shows how the CIELCh color 56, 77.604, 311.518 looks on a white background.

Color Contrast Check

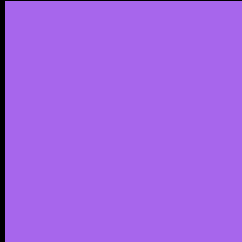
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.604, 311.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

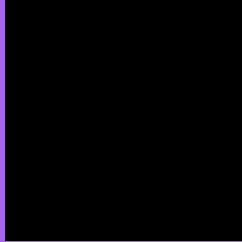
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 77.604, 311.518

Background



This preview shows how black text looks on a background with the CIELCh color 56, 77.604, 311.518.

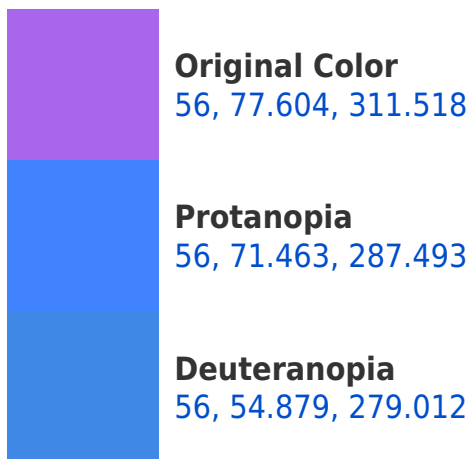


This preview shows how white text looks on a background with the CIELCh color 56, 77.604, 311.518.

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, 77.604, 311.518



Protanomaly
55, 73.023, 294.812



Deuteranomaly
55, 61.816, 291.712



Tritanomaly
55, 34.267, 316.202

Monochromacy



Original Color
56, 77.604, 311.518



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 29.493, 310.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 77.604, 311.518 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(167, 102, 236)` looks like.

```
.text, #text, p{  
    color:rgb(167, 102, 236)  
}
```

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(167, 102, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 102, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 77.604, 311.518 is called "border". The border property can be set on classes, ids or directly on the HTML element.

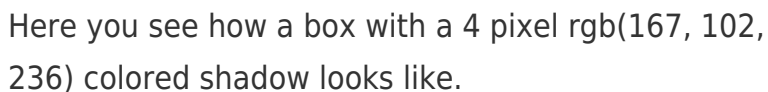
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 102, 236) }
```

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

```
.border{ border-color:rgb(167, 102, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 102, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 102, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 102, 236);  
box-shadow:4px 4px 4px 4px rgb(167, 102,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 77.604, 311.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 102, 236) }
```

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

```
.background{ background-color: rgb(167,  
102, 236) }
```

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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