

Converting Colors

CIELCh(56, 75.479, 311.404)

Have a look what the booklet for
CIELCh(56, 75.479, 311.404)
contains.

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Color

CIELCh(56, 75.393, 311.214)

Conversions

Conversions Part 1

Format	Color
Hex	A668EA
RGB	166, 104, 234
RGB Percent	65%, 41%, 92%
CMY	0.3494, 0.5925, 0.0828
CMYK	0.29, 0.56, 0.00, 0.08
HSL	269°, 75%, 66%
HSV	269°, 56%, 92%
XYZ	35.4818, 23.9124, 80.5090
YIQ	137.3580, -4.7780, 53.5740

Conversions

Conversions Part 2

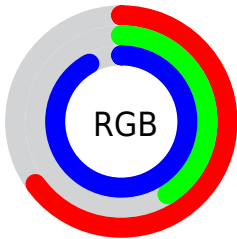
Format	Color
R _Y B	166, 104, 234
Decimal	10905834
CIE Lab	56.00, 49.67, -56.71
CIE LCh	56, 75.393, 311.214
Yxy	23.9124, 0.2536, 0.1709
Android (android.graphics.Color)	4289095914 (0xFFA668EA)
YUV	137.3580, 47.6445, 25.1190
Hunter-Lab	48.9003, 43.9430, -63.3842

Details

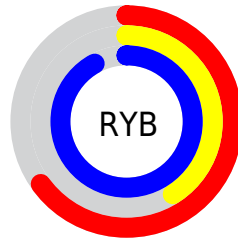
The CIELCh color $56, 75.393, 311.214$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $86, 68.962, 125.721$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 57.105, 316.877$, and $36, 75.148, 311.325$ is the 20% darker color. If you saturate the color by 10%, you get $50, 88.523, 311.673$, and if you desaturate by 10%, it is $62, 61.615, 310.666$.

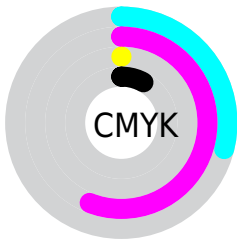
Distribution



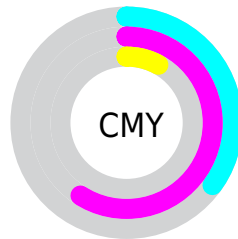
- Red (65%)
- Green (41%)
- Blue (92%)



- Red (65%)
- Yellow (41%)
- Blue (92%)



- Cyan (29%)
- Magenta (56%)
- Yellow (0%)
- Black (8%)





- Cyan (35%)
- Magenta (59%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 75.393, 311.214 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, 75.393, 311.214 by changing the saturation by 10% instead.


 56, 75.393,
311.214


 56, 75.393,
311.214


 100, 75.393,
311.214


 46, 75.393,
311.214


 76, 75.393,
311.214

 36, 75.393,
311.214

 86, 75.393,
311.214

 26, 75.393,
311.214

 96, 75.393,
311.214

 16, 75.393,
311.214

 6, 75.393, 311.214

 0, 75.393, 311.214

56, 75.393,
311.214

56, 75.393,
311.214

50, 88.523,
311.673

62, 61.615,
310.666

45, 100.264,
311.952

69, 47.677,
310.091

41, 109.645,
311.931

75, 33.866,
309.525

38, 115.750,
311.493

82, 20.340,
308.991

37, 117.669,
311.216

89, 7.177, 308.492

96, 5.589, 128.092

99, 10.769,
115.988

100, 10.682,
109.369

Harmonies

Complementary

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



56, 75.393, 311.214



86, 68.962, 125.721

Rectangle

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



56, 75.393, 311.214



56, 75.393, 1.214



56, 75.393, 131.214



56, 75.393, 181.214

Sweetspot

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



56, 75.392, 311.214



88, 23.864, 309.069



69, 37.344, 262.805



45, 16.008, 309.175



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, 75.392, 311.214



54, 96.816, 311.738



64, 78.933, 326.264



45, 7.371, 308.684



28, 96.955, 311.401



4, 37.559, 310.837

Inverse Universe

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



62, 58.574, 348.511



62, 72.791, 350.635



83, 79.313, 139.083



46, 6.053, 343.162



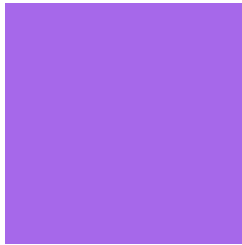
39, 65.839, 359.758



8, 28.841, 353.476

Previews

White Background



This preview shows how the CIELCh color 56, 75.393, 311.214 looks on a white background.

Color Contrast Check

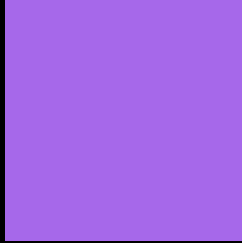
Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 75.393, 311.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

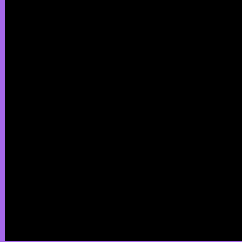
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 75.393, 311.214

Background



This preview shows how black text looks on a background with the CIELCh color 56, 75.393, 311.214.

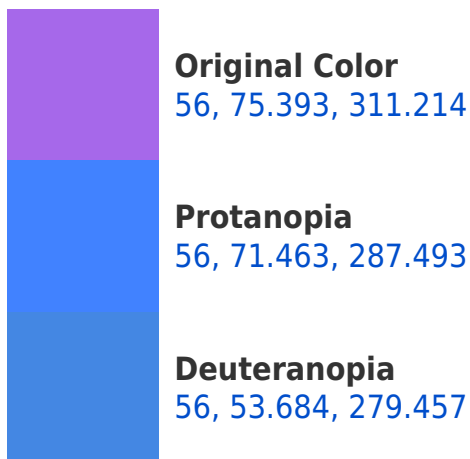


This preview shows how white text looks on a background with the CIELCh color 56, 75.393, 311.214.

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](#).

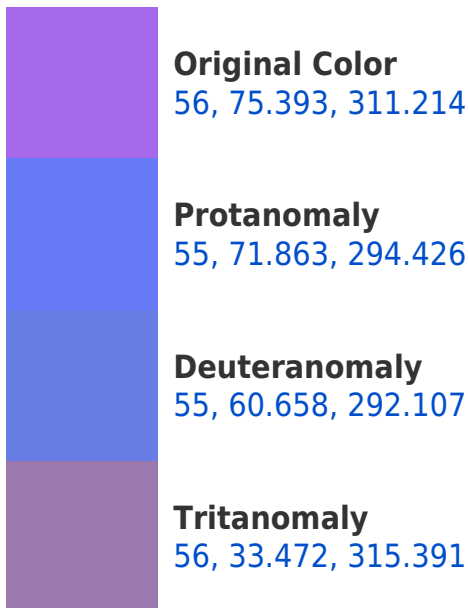
Dichromacy



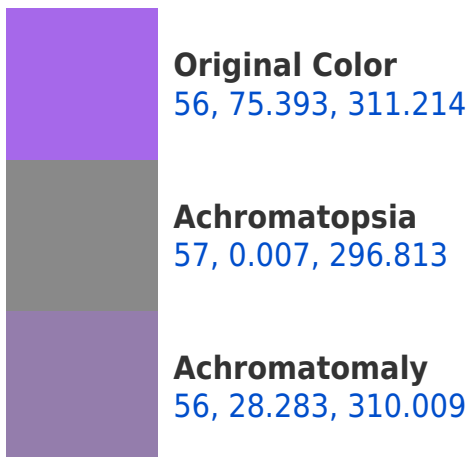


Tritanopia
56, 9.453, 343.260

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 75.393, 311.214 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(166, 104, 234)` looks like.

```
.text, #text, p{  
    color:rgb(166, 104, 234)  
}
```

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(166, 104, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 104, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 75.393, 311.214 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(166, 104, 234) }
```

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

```
.border{ border-color:rgb(166, 104, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 104, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 104, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 104, 234);  
box-shadow:4px 4px 4px 4px rgb(166, 104,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 75.393, 311.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 104, 234) }
```

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

```
.background{ background-color: rgb(166,  
104, 234) }
```

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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