

Converting Colors

CIELCh(56, 93.389, 316.231)

Have a look what the booklet for
CIELCh(56, 93.389, 316.231)
contains.

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Color

CIELCh(56, 93.389, 316.231)

Conversions

Conversions Part 1

Format	Color
Hex	BC54F8
RGB	188, 84, 248
RGB Percent	74%, 33%, 97%
CMY	0.2615, 0.6694, 0.0263
CMYK	0.24, 0.66, 0.00, 0.03
HSL	278°, 92%, 65%
HSV	278°, 66%, 97%
XYZ	40.9977, 23.9124, 91.5086
YIQ	133.7920, 9.3400, 73.0520

Conversions

Conversions Part 2

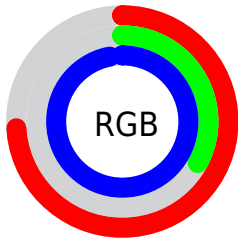
Format	Color
R _{YB}	188, 84, 248
Decimal	12342520
CIE _{Lab}	56.00, 67.44, -64.60
CIE _{LCh}	56, 93.389, 316.231
Y _{xy}	23.9124, 0.2621, 0.1529
Android (android.graphics.Color)	4290532600 (0xFFBC54F8)
YUV	133.7920, 56.3045, 47.5404
Hunter-Lab	48.9003, 64.0778, -76.7209

Details

The CIELCh color **56, 93.389, 316.231** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **89, 87.849, 130.623**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 69.922, 325.021**, and **36, 93.488, 316.221** is the 20% darker color. If you saturate the color by 10%, you get **51, 104.405, 316.278**, and if you desaturate by 10%, it is **61, 80.490, 315.990**.

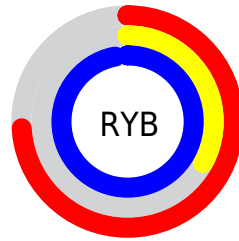
Distribution



Red (74%)

Green (33%)

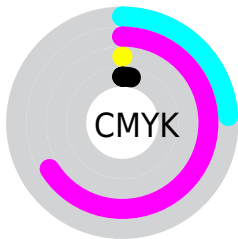
Blue (97%)



Red (74%)

Yellow (33%)

Blue (97%)

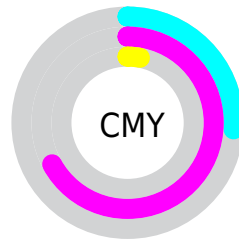


Cyan (24%)

Magenta (66%)

Yellow (0%)

Black (3%)



Cyan (26%)


Magenta (67%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 93.389, 316.231 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, 93.389, 316.231 by changing the saturation by 10% instead.


 56, 93.389,
316.231


 56, 93.389,
316.231


 100, 93.389,
316.231


 46, 93.389,
316.231


 76, 93.389,
316.231

 36, 93.389,
316.231

 86, 93.389,
316.231

 26, 93.389,
316.231

 96, 93.389,
316.231

 16, 93.389,
316.231

 6, 93.389, 316.231

 0, 93.389, 316.231

56, 93.389,
316.231

56, 93.389,
316.231

51, 104.405,
316.278

61, 80.490,
315.990

48, 112.705,
316.048

67, 66.482,
315.628

45, 117.693,
315.468

74, 51.948,
315.200

44, 119.031,
315.178

80, 37.286,
314.746

87, 22.747,
314.291

94, 8.478, 313.843

100, 3.571,
127.732

100, 3.385,
109.902

Harmonies

Complementary

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



56, 93.389, 316.231



89, 87.849, 130.623

Rectangle

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



56, 93.389, 316.231



56, 93.389, 6.231



56, 93.389, 136.231



56, 93.389, 186.231

Sweetspot

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



56, 93.388, 316.231



86, 29.084, 314.471



61, 59.168, 282.710



44, 19.897, 314.599



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, 93.388, 316.231



51, 109.454, 316.241



63, 86.906, 332.347



48, 8.037, 313.998



33, 96.730, 315.356



7, 43.144, 316.617

Inverse Universe

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



60, 66.874, 1.774



57, 77.459, 6.080



87, 89.061, 141.770



49, 5.773, 352.399



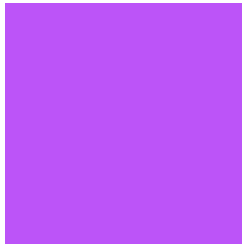
40, 68.186, 15.058



9, 30.456, 7.225

Previews

White Background



This preview shows how the CIELCh color 56, 93.389, 316.231 looks on a white background.

Color Contrast Check

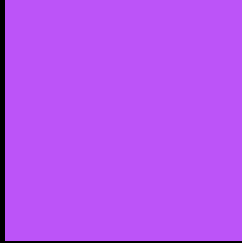
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.389, 316.231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

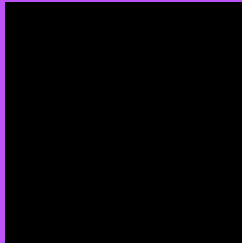
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 93.389, 316.231

Background



This preview shows how black text looks on a background with the CIELCh color 56, 93.389, 316.231.

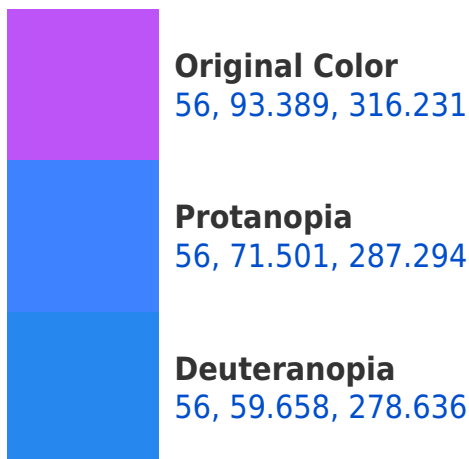


This preview shows how white text looks on a background with the CIELCh color 56, 93.389, 316.231.

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, 20.255, 7.245

Trichromacy



Original Color
56, 93.389, 316.231



Protanomaly
54, 79.945, 298.113



Deuteranomaly
53, 71.747, 293.784



Tritanomaly
55, 44.038, 327.753

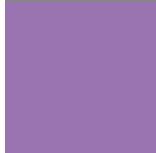
Monochromacy



Original Color
56, 93.389, 316.231



Achromatopsia
56, 0.007, 296.813



Achromatomaly
55, 37.080, 315.051

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 93.389, 316.231 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(188, 84, 248)` looks like.

```
.text, #text, p{  
    color:rgb(188, 84, 248)  
}
```

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(188, 84, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 84, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 93.389, 316.231 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(188, 84, 248) }
```

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

```
.border{ border-color:rgb(188, 84, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 84, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 84, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 84, 248);  
box-shadow:4px 4px 4px 4px rgb(188, 84,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 93.389, 316.231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 84, 248) }
```

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

```
.background{ background-color: rgb(188, 84,  
248) }
```

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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