

Converting Colors

CIELCh(57, 88.697, 302.859)

Have a look what the booklet for
CIELCh(57, 88.697, 302.859)
contains.

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Color

CIELCh(56, 81.325, 302.772)

Conversions

Conversions Part 1

Format	Color
Hex	8870FF
RGB	136, 112, 255
RGB Percent	53%, 44%, 100%
CMY	0.4682, 0.5621, 0.0015
CMYK	0.47, 0.56, 0.00, 0.00
HSL	250°, 99%, 72%
HSV	250°, 56%, 100%
XYZ	33.8364, 23.9124, 97.1153
YIQ	135.4780, -31.5990, 49.5610

Conversions

Conversions Part 2

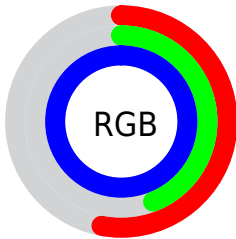
Format	Color
RYB	136, 112, 255
Decimal	8941823
CIELab	56.00, 44.02, -68.38
CIELCh	56, 81.325, 302.772
Yxy	23.9124, 0.2185, 0.1544
Android (android.graphics.Color)	4287131903 (0xFF8870FF)
YUV	135.4780, 58.9243, 0.4578
Hunter-Lab	48.9003, 37.9368, -83.5188

Details

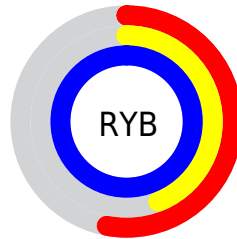
The CIELCh color $56, 81.325, 302.772$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $96, 69.858, 112.837$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 50.598, 306.026$, and $36, 81.165, 302.815$ is the 20% darker color. If you saturate the color by 10%, you get $49, 96.759, 304.184$, and if you desaturate by 10%, it is $64, 65.786, 301.399$.

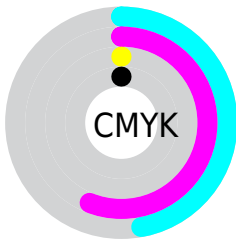
Distribution



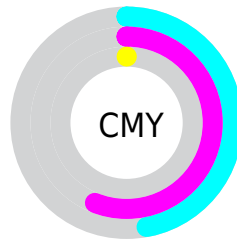
- Red (53%)
- Green (44%)
- Blue (100%)



- Red (53%)
- Yellow (44%)
- Blue (100%)



- Cyan (47%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (56%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 81.325, 302.772 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, 81.325, 302.772 by changing the saturation by 10% instead.


 56, 81.325,
302.772


 56, 81.325,
302.772


 100, 81.325,
302.772


 46, 81.325,
302.772


 76, 81.325,
302.772

 36, 81.325,
302.772

 86, 81.325,
302.772

 26, 81.325,
302.772

 96, 81.325,
302.772

 16, 81.325,
302.772

 6, 81.325, 302.772

 0, 81.325, 302.772

56, 81.325,
302.772

56, 81.325,
302.772

49, 96.759,
304.184

64, 65.786,
301.399

43, 111.179,
305.488

71, 50.577,
300.139

37, 123.033,
306.455

79, 35.870,
299.019

34, 130.489,
306.843

87, 21.715,
298.041

33, 132.374,
306.895

95, 8.108, 297.198

100, 0.183,
109.743

Harmonies

Complementary

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



56, 81.325, 302.772



96, 69.858, 112.837

Rectangle

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



56, 81.325, 302.772



56, 81.325, 352.772



56, 81.325, 122.772



56, 81.325, 172.772

Sweetspot

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



56, 81.325, 302.773



87, 22.936, 298.120



86, 34.670, 218.815



44, 15.402, 298.308



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, 81.325, 302.773



48, 98.174, 304.304



63, 82.458, 316.993



49, 7.561, 297.467



24, 106.583, 306.992



4, 44.494, 304.936

Inverse Universe

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



68, 76.557, 333.052



64, 87.589, 333.806



92, 78.696, 131.898



50, 8.066, 329.975



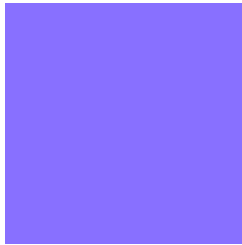
44, 81.653, 336.267



12, 38.150, 335.140

Previews

White Background



This preview shows how the CIE LCh color 56, 81.325, 302.772 looks on a white background.

Color Contrast Check

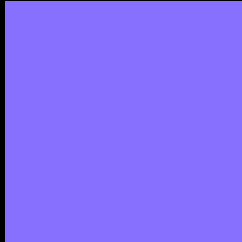
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.325, 302.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

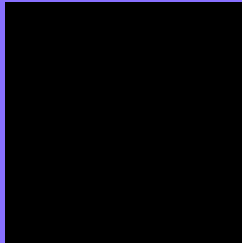
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 81.325, 302.772

Background



This preview shows how black text looks on a background with the CIELCh color 56, 81.325, 302.772.



This preview shows how white text looks on a background with the CIELCh color 56, 81.325, 302.772.

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, 12.775, 228.207

Trichromacy



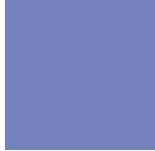
Original Color
56, 81.325, 302.772



Protanomaly
56, 75.215, 292.670



Deuteranomaly
55, 67.600, 284.921



Tritanomaly
55, 33.949, 287.721

Monochromacy



Original Color
56, 81.325, 302.772



Achromatopsia
56, 0.007, 296.813



Achromatomaly
56, 29.485, 298.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 81.325, 302.772 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(136, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 112, 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(136, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 112, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 81.325, 302.772 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(136, 112, 255) }
```

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

```
.border{ border-color:rgb(136, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 112,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 81.325, 302.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 112, 255) }
```

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

```
.background{ background-color: rgb(136,  
112, 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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