

Converting Colors

CIELCh(56, 49.961, 295.660)

Have a look what the booklet for
CIELCh(56, 49.961, 295.660)
contains.

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Color

CIELCh(56, 50.354, 295.793)

Conversions

Conversions Part 1

Format	Color
Hex	7D7DD5
RGB	125, 125, 213
RGB Percent	49%, 49%, 84%
CMY	0.5089, 0.5090, 0.1638
CMYK	0.41, 0.41, 0.00, 0.16
HSL	240°, 51%, 66%
HSV	240°, 41%, 84%
XYZ	27.8896, 23.9124, 66.2505
YIQ	135.0320, -28.2480, 27.3680

Conversions

Conversions Part 2

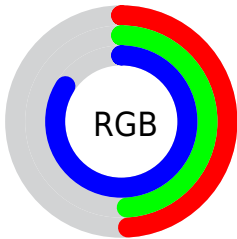
Format	Color
RYB	125, 125, 213
Decimal	8224213
CIELab	56.00, 21.91, -45.34
CIElCh	56, 50.354, 295.793
Yxy	23.9124, 0.2362, 0.2026
Android (android.graphics.Color)	4286414293 (0xFF7D7DD5)
YUV	135.0320, 38.4382, -8.7981
Hunter-Lab	48.9003, 16.2294, -46.0962

Details

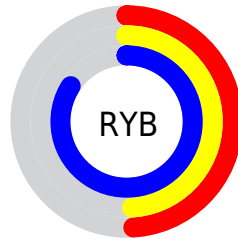
The CIELCh color $56, 50.354, 295.793$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $84, 45.203, 106.229$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 41.628, 295.216$, and $36, 50.664, 295.934$ is the 20% darker color. If you saturate the color by 10%, you get $49, 63.872, 297.753$, and if you desaturate by 10%, it is $63, 37.343, 294.081$.

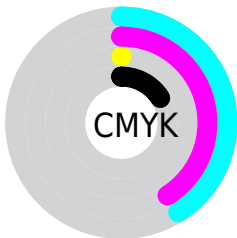
Distribution



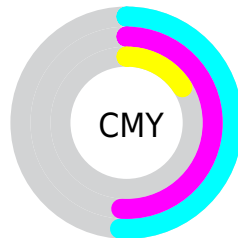
- Red (49%)
- Green (49%)
- Blue (84%)



- Red (49%)
- Yellow (49%)
- Blue (84%)



- Cyan (41%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)





- Cyan (51%)
- Magenta (51%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 50.354, 295.793 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, 50.354, 295.793 by changing the saturation by 10% instead.


 56, 50.354,
295.793


 56, 50.354,
295.793


 100, 50.354,
295.793


 46, 50.354,
295.793


 76, 50.354,
295.793

 36, 50.354,
295.793

 86, 50.354,
295.793

 26, 50.354,
295.793

 96, 50.354,
295.793

 16, 50.354,
295.793

 6, 50.354, 295.793

 0, 50.354, 295.793

■ 56, 50.354,
295.793

■ 56, 50.354,
295.793

■ 49, 63.872,
297.753

■ 63, 37.343,
294.081

■ 42, 77.716,
299.910

■ 70, 24.872,
292.614

■ 36, 91.342,
302.123

■ 77, 12.919,
291.370

■ 31, 103.554,
304.128

■ 84, 1.446, 290.355

■ 28, 112.471,
305.576

■ 91, 9.583, 109.406

■ 26, 116.919,
306.288

■ 98, 20.202,
108.648

■ 99, 21.105,
108.579

Harmonies

Complementary

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



56, 50.354, 295.793



84, 45.203, 106.229

Rectangle

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



56, 50.354, 295.793



56, 50.354, 345.793



56, 50.354, 115.793



56, 50.354, 165.793

Sweetspot

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



56, 50.353, 295.793



90, 15.916, 291.467



80, 27.693, 197.467



47, 10.585, 291.621



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, 50.353, 295.793



59, 71.894, 297.594



60, 51.729, 311.143



41, 6.500, 291.162



20, 99.122, 306.288



2, 27.577, 294.047

Inverse Universe

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



65, 56.414, 326.642



72, 77.654, 327.068



81, 48.728, 127.134



42, 7.846, 324.942



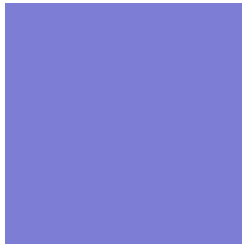
41, 85.592, 328.241



6, 32.946, 328.049

Previews

White Background



This preview shows how the CIELCh color 56, 50.354, 295.793 looks on a white background.

Color Contrast Check

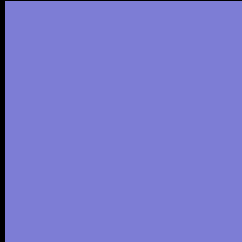
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.354, 295.793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

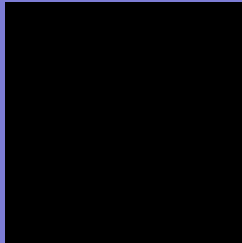
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 50.354, 295.793

Background



This preview shows how black text looks on a background with the CIELCh color 56, 50.354, 295.793.



This preview shows how white text looks on a background with the CIELCh color 56, 50.354, 295.793.

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



Original Color

56, 50.354, 295.793

Protanopia

56, 50.546, 286.142

Deuteranopia

56, 44.792, 280.563



Tritanopia
56, 12.211, 229.768

Trichromacy



Original Color
56, 50.354, 295.793

Protanomaly
56, 50.348, 289.527

Deuteranomaly
56, 46.545, 286.144

Tritanomaly
56, 22.984, 276.807

Monochromacy



Original Color
56, 50.354, 295.793

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 18.362, 292.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 50.354, 295.793 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(125, 125, 213)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 213)  
}
```

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(125, 125, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 50.354, 295.793 is called "border". The border property can be set on classes, ids or directly on the HTML element.

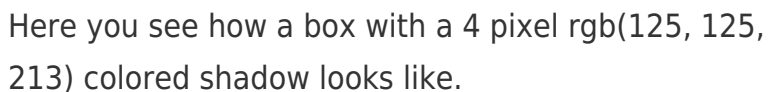
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(125, 125, 213) }
```

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

```
.border{ border-color:rgb(125, 125, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(125, 125, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 125, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 125, 213); box-shadow:4px 4px 4px 4px rgb(125, 125, 213) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 50.354, 295.793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 213) }
```

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

```
.background{ background-color: rgb(125,  
125, 213) }
```

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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