

Converting Colors

CIELCh(56, 37.676, 283.895)

Have a look what the booklet for
CIELCh(56, 37.676, 283.895)
contains.

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Color

CIELCh(56, 38.082, 284.135)

Conversions

Conversions Part 1

Format	Color
Hex	6D84C6
RGB	109, 132, 198
RGB Percent	43%, 52%, 78%
CMY	0.5717, 0.4815, 0.2226
CMYK	0.45, 0.33, 0.00, 0.22
HSL	225°, 44%, 60%
HSV	225°, 45%, 78%
XYZ	24.8331, 23.9124, 56.8708
YIQ	132.6470, -34.8940, 15.6500

Conversions

Conversions Part 2

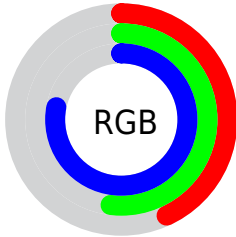
Format	Color
R _Y B	109, 127, 198
Decimal	7177414
CIE Lab	56.00, 9.30, -36.93
CIE LCh	56, 38.082, 284.135
Yxy	23.9124, 0.2351, 0.2264
Android (android.graphics.Color)	4285367494 (0xFF6D84C6)
YUV	132.6470, 32.2190, -20.7384
Hunter-Lab	48.9003, 5.0723, -34.7237

Details

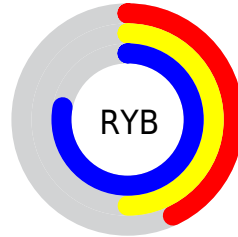
The CIELCh color `56, 38.082, 284.135` is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be `72, 36.791, 91.077`, and the grayscale version is `55, 0.007, 296.813`.

A 20% lighter version of the original color is `76, 37.991, 283.979`, and `36, 38.167, 284.110` is the 20% darker color. If you saturate the color by 10%, you get `51, 47.226, 286.598`, and if you desaturate by 10%, it is `61, 29.208, 282.005`.

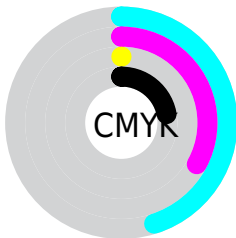
Distribution



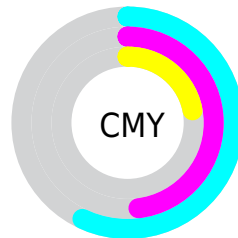
- Red (43%)
- Green (52%)
- Blue (78%)



- Red (43%)
- Yellow (50%)
- Blue (78%)



- Cyan (45%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)



- Cyan (57%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 38.082, 284.135 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, 38.082, 284.135 by changing the saturation by 10% instead.

■ 56, 38.082,
284.135

■ 56, 38.082,
284.135

■ 100, 38.082,
284.135

■ 46, 38.082,
284.135

■ 76, 38.082,
284.135

■ 36, 38.082,
284.135

■ 86, 38.082,
284.135

■ 26, 38.082,
284.135

■ 96, 38.082,
284.135

■ 16, 38.082,
284.135

■ 6, 38.082, 284.135

■ 0, 38.082, 284.135

56, 38.082,
284.135

56, 38.082,
284.135

51, 47.226,
286.598

61, 29.208,
282.005

46, 56.668,
289.397

67, 20.578,
280.179

41, 66.394,
292.484

72, 12.167,
278.619

36, 76.280,
295.736

77, 3.959, 277.308

83, 4.057, 96.057

32, 85.983,
298.942

88, 11.889, 95.087

31, 90.697,
300.414

93, 19.544, 94.222

97, 26.202,
103.883

99, 28.618,

Harmonies

Complementary

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



56, 38.082, 284.135



72, 36.791, 91.077

Rectangle

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



56, 38.082, 284.135



56, 38.082, 334.135



56, 38.082, 104.135



56, 38.082, 154.135

Sweetspot

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



56, 38.081, 284.135



91, 12.999, 278.377



74, 32.618, 173.667



47, 9.119, 278.696



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, 38.081, 284.135



65, 56.983, 286.574



52, 52.173, 303.097



39, 4.615, 277.863



25, 77.434, 299.971



3, 17.717, 283.966

Inverse Universe

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



57, 37.935, 4.717



67, 56.078, 6.836



77, 46.987, 116.427



39, 4.527, 359.744



34, 63.945, 24.190



4, 16.363, 6.272

Previews

White Background



This preview shows how the CIELCh color 56, 38.082, 284.135 looks on a white background.

Color Contrast Check

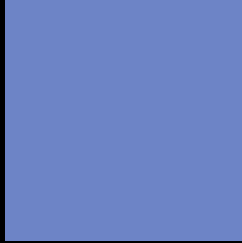
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.082, 284.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

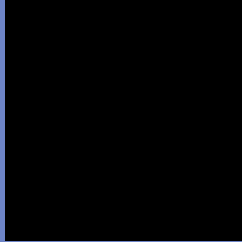
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 38.082, 284.135

Background



This preview shows how black text looks on a background with the CIELCh color 56, 38.082, 284.135.

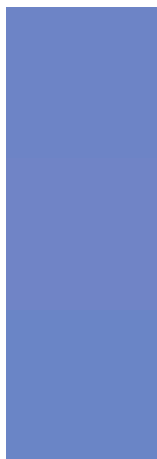


This preview shows how white text looks on a background with the CIELCh color 56, 38.082, 284.135.

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, 38.082, 284.135

Protanopia

56, 37.970, 285.378

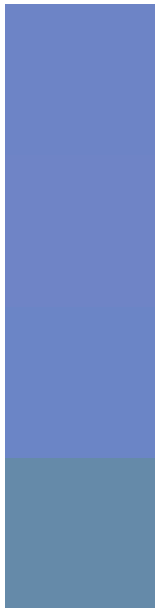
Deuteranopia

56, 37.657, 282.192



Tritanopia
56, 16.547, 222.840

Trichromacy



Original Color
56, 38.082, 284.135

Protanomaly
56, 38.006, 284.960

Deuteranomaly
56, 37.612, 282.597

Tritanomaly
56, 20.988, 257.083

Monochromacy



Original Color
56, 38.082, 284.135

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 14.051, 278.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 38.082, 284.135 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(109, 132, 198)` looks like.

```
.text, #text, p{  
    color:rgb(109, 132, 198)  
}
```

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(109, 132, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 132, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 38.082, 284.135 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(109, 132, 198) }
```

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

```
.border{ border-color:rgb(109, 132, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 132, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 132, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 132, 198);  
box-shadow:4px 4px 4px 4px rgb(109, 132,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 38.082, 284.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 132, 198) }
```

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

```
.background{ background-color: rgb(109,  
132, 198) }
```

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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