

Converting Colors

CIELCh(56, 40.015, 282.661)

Have a look what the booklet for
CIELCh(56, 40.015, 282.661)
contains.

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Color

CIELCh(56, 39.932, 282.542)

Conversions

Conversions Part 1

Format	Color
Hex	6885CA
RGB	104, 133, 202
RGB Percent	41%, 52%, 79%
CMY	0.5929, 0.4791, 0.2086
CMYK	0.49, 0.34, 0.00, 0.21
HSL	222°, 48%, 60%
HSV	222°, 49%, 79%
XYZ	24.6869, 23.9124, 59.0701
YIQ	132.1950, -39.4330, 15.3110

Conversions

Conversions Part 2

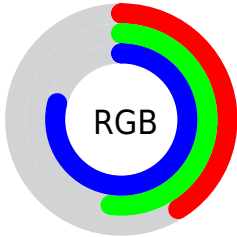
Format	Color
RYB	104, 126, 202
Decimal	6849994
CIELab	56.00, 8.67, -38.98
CIElCh	56, 39.932, 282.542
Yxy	23.9124, 0.2293, 0.2221
Android (android.graphics.Color)	4285040074 (0xFF6885CA)
YUV	132.1950, 34.4139, -24.7270
Hunter-Lab	48.9003, 4.5387, -37.3903

Details

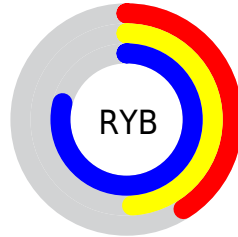
The CIELCh color **56, 39.932, 282.542** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **72, 39.199, 87.722**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 37.652, 281.586**, and **36, 40.136, 282.670** is the 20% darker color. If you saturate the color by 10%, you get **51, 48.747, 285.211**, and if you desaturate by 10%, it is **61, 31.350, 280.228**.

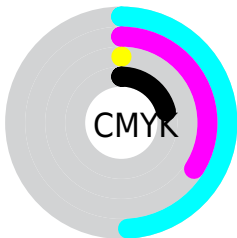
Distribution



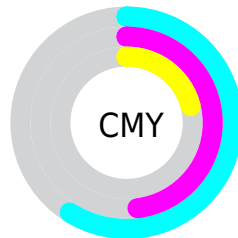
- Red (41%)
- Green (52%)
- Blue (79%)



- Red (41%)
- Yellow (49%)
- Blue (79%)



- Cyan (49%)
- Magenta (34%)
- Yellow (0%)
- Black (21%)





- Cyan (59%)
- Magenta (48%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 39.932, 282.542 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, 39.932, 282.542 by changing the saturation by 10% instead.


 56, 39.932,
282.542

 56, 39.932,
282.542


 100, 39.932,
282.542

 46, 39.932,
282.542


 76, 39.932,
282.542

 36, 39.932,
282.542

 86, 39.932,
282.542

 26, 39.932,
282.542

 96, 39.932,
282.542

 16, 39.932,
282.542

 6, 39.932, 282.542

 0, 39.932, 282.542

■ 56, 39.932,
282.542

■ 56, 39.932,
282.542

■ 51, 48.747,
285.211

■ 61, 31.350,
280.228

■ 46, 57.827,
288.228

■ 66, 22.974,
278.242

■ 41, 67.167,
291.531

■ 72, 14.779,
276.546

■ 37, 76.662,
294.981

■ 77, 6.752, 275.105

■ 82, 1.115, 93.625

■ 33, 86.021,
298.318

■ 87, 8.827, 92.712

■ 33, 87.338,
298.751

■ 92, 16.387, 91.782

■ 97, 22.915,
100.332

■ 99, 26.833,

Harmonies

Complementary

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



56, 39.932, 282.542



72, 39.199, 87.722

Rectangle

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



56, 39.932, 282.542



56, 39.932, 332.542



56, 39.932, 102.542



56, 39.932, 152.542

Sweetspot

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



56, 39.931, 282.542



91, 14.396, 276.035



75, 36.369, 170.762



47, 9.842, 276.357



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, 39.931, 282.542



64, 58.396, 285.278



50, 57.537, 302.550



40, 4.518, 275.217



27, 74.376, 298.269



4, 18.812, 283.621

Inverse Universe

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



56, 42.011, 2.650



65, 60.318, 4.958



78, 51.041, 114.759



40, 4.705, 357.064



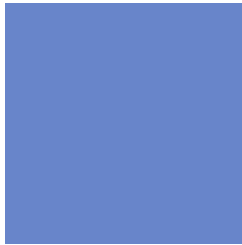
35, 63.464, 20.957



4, 18.535, 5.095

Previews

White Background



This preview shows how the CIELCh color 56, 39.932, 282.542 looks on a white background.

Color Contrast Check

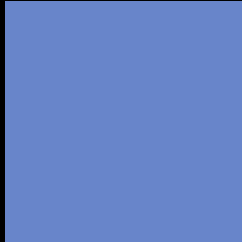
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.932, 282.542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

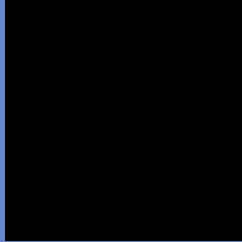
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 39.932, 282.542

Background



This preview shows how black text looks on a background with the CIELCh color 56, 39.932, 282.542.

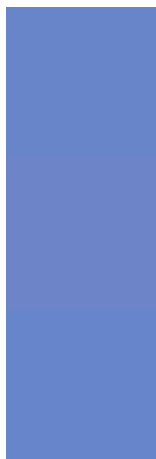


This preview shows how white text looks on a background with the CIELCh color 56, 39.932, 282.542.

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, 39.932, 282.542

Protanopia

56, 39.702, 285.249

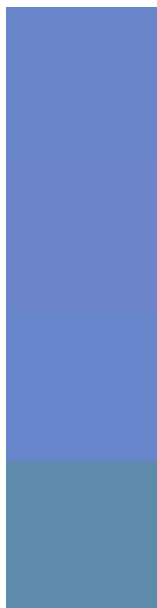
Deuteranopia

56, 40.021, 281.813



Tritanopia
56, 18.645, 219.713

Trichromacy



Original Color
56, 39.932, 282.542

Protanomaly
56, 39.776, 284.474

Deuteranomaly
56, 39.976, 282.176

Tritanomaly
56, 22.646, 253.139

Monochromacy



Original Color
56, 39.932, 282.542

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 14.696, 277.816

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 39.932, 282.542 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(104, 133, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 133, 202)  
}
```

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(104, 133, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 133, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 39.932, 282.542 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(104, 133, 202) }
```

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

```
.border{ border-color:rgb(104, 133, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 133, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 133, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 133, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 133,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 39.932, 282.542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 133, 202) }
```

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

```
.background{ background-color: rgb(104,  
133, 202) }
```

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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