

Converting Colors

CIELCh(56, 46.541, 286.759)

Have a look what the booklet for
CIELCh(56, 46.541, 286.759)
contains.

CIELCh(56, 46.484, 286.756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 46.484, 286.756)

Conversions

Conversions Part 1

Format	Color
Hex	6A83D4
RGB	106, 131, 212
RGB Percent	42%, 51%, 83%
CMY	0.5858, 0.4876, 0.1702
CMYK	0.50, 0.38, 0.00, 0.17
HSL	226°, 55%, 62%
HSV	226°, 50%, 83%
XYZ	25.8013, 23.9124, 65.2854
YIQ	132.7590, -40.9010, 19.8910

Conversions

Conversions Part 2

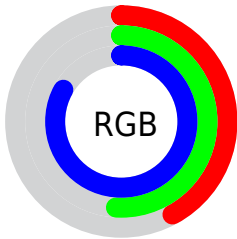
Format	Color
RYB	106, 126, 212
Decimal	6980564
CIELab	56.00, 13.40, -44.51
CIELCh	56, 46.484, 286.756
Yxy	23.9124, 0.2244, 0.2079
Android (android.graphics.Color)	4285170644 (0xFF6A83D4)
YUV	132.7590, 39.0658, -23.4676
Hunter-Lab	48.9003, 8.6065, -44.9261

Details

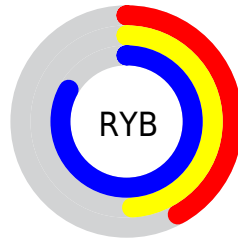
The CIELCh color **56, 46.484, 286.756** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **76, 44.018, 91.950**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 38.551, 284.209**, and **36, 46.620, 286.850** is the 20% darker color. If you saturate the color by 10%, you get **50, 56.649, 289.369**, and if you desaturate by 10%, it is **62, 36.650, 284.476**.

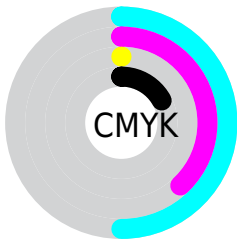
Distribution



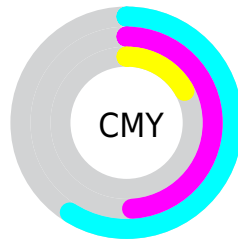
- Red (42%)
- Green (51%)
- Blue (83%)



- Red (42%)
- Yellow (49%)
- Blue (83%)



- Cyan (50%)
- Magenta (38%)
- Yellow (0%)
- Black (17%)





- Cyan (59%)
- Magenta (49%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 46.484, 286.756 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, 46.484, 286.756 by changing the saturation by 10% instead.


 56, 46.484,
286.756


 56, 46.484,
286.756


 100, 46.484,
286.756


 46, 46.484,
286.756


 76, 46.484,
286.756

 36, 46.484,
286.756

 86, 46.484,
286.756

 26, 46.484,
286.756

 96, 46.484,
286.756

 16, 46.484,
286.756

 6, 46.484, 286.756

 0, 46.484, 286.756

56, 46.484,
286.756

56, 46.484,
286.756

50, 56.649,
289.369

62, 36.650,
284.476

45, 67.144,
292.288

67, 27.120,
282.514

40, 77.867,
295.417

73, 17.865,
280.836

36, 88.498,
298.572

79, 8.860, 279.407

85, 0.087, 280.278

32, 98.327,
301.415

90, 8.466, 97.065

96, 16.809, 96.153

99, 21.920,
108.517

Harmonies

Complementary

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



56, 46.484, 286.756



76, 44.018, 91.950

Rectangle

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



56, 46.484, 286.756



56, 46.484, 336.756



56, 46.484, 106.756



56, 46.484, 156.756

Sweetspot

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



56, 46.483, 286.757



90, 15.420, 280.102



78, 37.231, 174.250



47, 10.549, 280.412



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, 46.483, 286.757



60, 65.865, 289.523



52, 61.907, 304.167



41, 4.930, 279.317



25, 81.687, 300.950



3, 21.444, 286.843

Inverse Universe

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



58, 44.607, 7.479



64, 62.043, 10.107



81, 54.991, 116.857



41, 4.674, 1.359



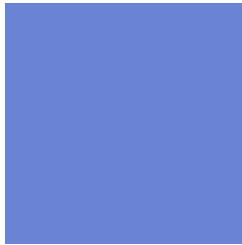
35, 66.321, 26.185



4, 20.298, 8.567

Previews

White Background



This preview shows how the CIELCh color 56, 46.484, 286.756 looks on a white background.

Color Contrast Check

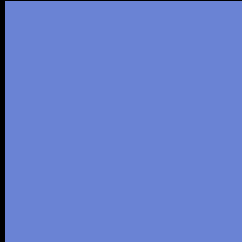
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.484, 286.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

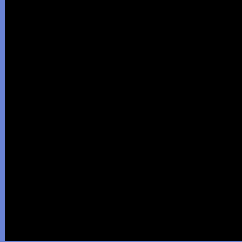
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 46.484, 286.756

Background



This preview shows how black text looks on a background with the CIELCh color 56, 46.484, 286.756.

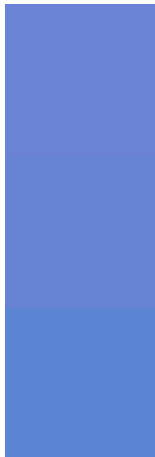


This preview shows how white text looks on a background with the CIELCh color 56, 46.484, 286.756.

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, 46.484, 286.756

Protanopia

56, 46.577, 285.842

Deuteranopia

56, 44.792, 280.563



Tritanopia
56, 19.303, 217.009

Trichromacy



Original Color
56, 46.484, 286.756

Protanomaly
56, 46.545, 286.144

Deuteranomaly
56, 45.123, 282.638

Tritanomaly
56, 24.331, 257.166

Monochromacy



Original Color
56, 46.484, 286.756

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 16.915, 280.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 46.484, 286.756 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(106, 131, 212)` looks like.

```
.text, #text, p{  
    color:rgb(106, 131, 212)  
}
```

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(106, 131, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 131, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 46.484, 286.756 is called "border". The border property can be set on classes, ids or directly on the HTML element.

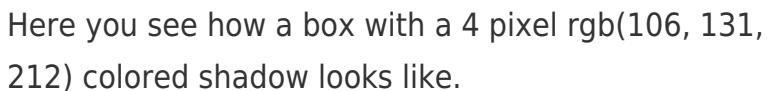
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 131, 212) }
```

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

```
.border{ border-color:rgb(106, 131, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 131, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 131, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 131, 212);  
box-shadow:4px 4px 4px 4px rgb(106, 131,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 46.484, 286.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 131, 212) }
```

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

```
.background{ background-color: rgb(106,  
131, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor