

Converting Colors

CIELCh(56, 43.076, 276.718)

Have a look what the booklet for
CIELCh(56, 43.076, 276.718)
contains.

CIELCh(56, 43.023, 276.960)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 43.023, 276.960)

Conversions

Conversions Part 1

Format	Color
Hex	5587D0
RGB	85, 135, 208
RGB Percent	33%, 53%, 82%
CMY	0.6655, 0.4696, 0.1832
CMYK	0.59, 0.35, 0.00, 0.18
HSL	216°, 57%, 58%
HSV	216°, 59%, 82%
XYZ	23.8928, 23.9124, 63.2122
YIQ	128.3720, -53.2330, 12.1030

Conversions

Conversions Part 2

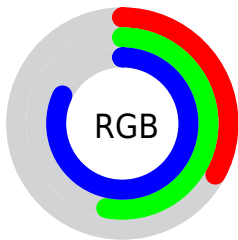
Format	Color
R _Y B	85, 121, 208
Decimal	5605328
CIE Lab	56.00, 5.21, -42.71
CIE LCh	56, 43.023, 276.960
Yxy	23.9124, 0.2152, 0.2154
Android (android.graphics.Color)	4283795408 (0xFF5587D0)
YUV	128.3720, 39.2566, -38.0372
Hunter-Lab	48.9003, 1.6398, -42.4125

Details

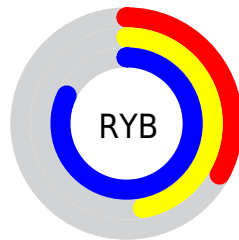
The CIELCh color **56, 43.023, 276.960** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **69, 45.952, 76.817**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 37.779, 273.248**, and **36, 42.854, 276.773** is the 20% darker color. If you saturate the color by 10%, you get **52, 50.516, 280.289**, and if you desaturate by 10%, it is **61, 35.630, 274.053**.

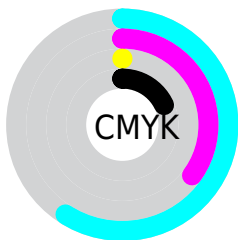
Distribution



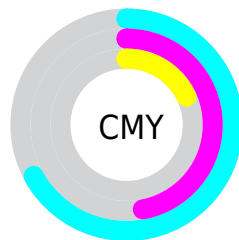
- Red (33%)
- Green (53%)
- Blue (82%)



- Red (33%)
- Yellow (47%)
- Blue (82%)



- Cyan (59%)
- Magenta (35%)
- Yellow (0%)
- Black (18%)





- Cyan (67%)
- Magenta (47%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 43.023, 276.960 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, 43.023, 276.960 by changing the saturation by 10% instead.


 56, 43.023,
276.960


 56, 43.023,
276.960


 100, 43.023,
276.960


 46, 43.023,
276.960


 76, 43.023,
276.960

 36, 43.023,
276.960

 86, 43.023,
276.960

 26, 43.023,
276.960

 96, 43.023,
276.960

 16, 43.023,
276.960

 6, 43.023, 276.960

 0, 43.023, 276.960

■ 56, 43.023,
276.960

■ 56, 43.023,
276.960

■ 52, 50.516,
280.289

■ 61, 35.630,
274.053

■ 47, 58.167,
283.998

■ 65, 28.298,
271.554

■ 44, 66.017,
287.973

■ 70, 21.003,
269.425

■ 40, 74.053,
291.962

■ 75, 13.739,
267.619

■ 40, 74.831,
292.317

■ 79, 6.510, 266.098

■ 84, 0.676, 84.280

■ 89, 7.808, 83.553

■ 94, 14.875, 82.586

■ 97, 19.713, 99.452

Harmonies

Complementary

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



56, 43.023, 276.960



69, 45.952, 76.817

Rectangle

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



56, 43.023, 276.960



56, 43.023, 326.960



56, 43.023, 96.960



56, 43.023, 146.960

Sweetspot

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



56, 43.022, 276.961



90, 15.300, 267.482



76, 48.761, 161.630



46, 10.640, 267.976



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, 43.022, 276.961



61, 61.306, 281.288



44, 73.016, 301.148



42, 4.097, 266.149



32, 62.845, 291.684



5, 18.228, 279.211

Inverse Universe

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



54, 53.459, 356.896



60, 72.727, 0.115



81, 61.595, 108.747



41, 5.105, 349.831



36, 62.027, 10.673



5, 21.036, 359.753

Previews

White Background



This preview shows how the CIE LCh color 56, 43.023, 276.960 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, 43.023, 276.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

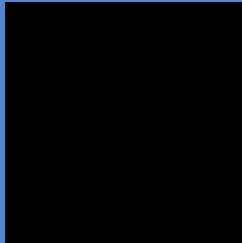
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

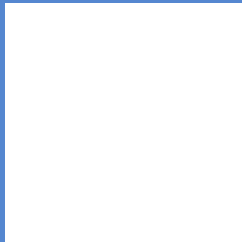
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 43.023, 276.960

Background



This preview shows how black text looks on a background with the CIELCh color 56, 43.023, 276.960.

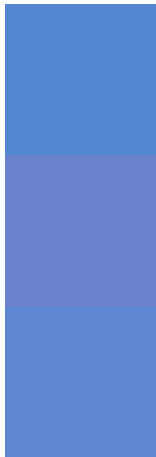


This preview shows how white text looks on a background with the CIELCh color 56, 43.023, 276.960.

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, 43.023, 276.960

Protanopia

56, 42.586, 285.662

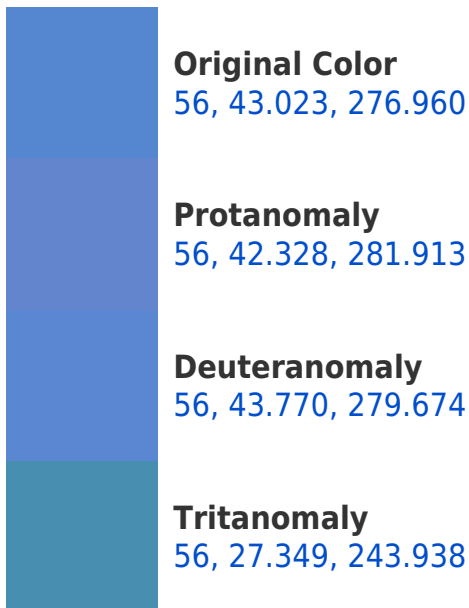
Deuteranopia

56, 43.629, 280.552

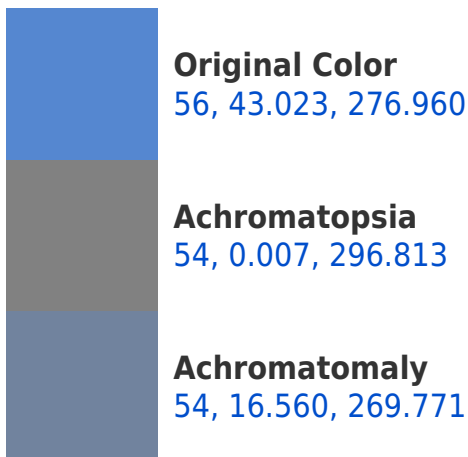


Tritanopia
56, 25.415, 211.739

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 43.023, 276.960 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(85, 135, 208)` looks like.

```
.text, #text, p{  
    color:rgb(85, 135, 208)  
}
```

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(85, 135, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 135, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 43.023, 276.960 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(85, 135, 208) }
```

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

```
.border{ border-color:rgb(85, 135, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 135, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 135, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 135, 208);  
box-shadow:4px 4px 4px 4px rgb(85, 135,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 43.023, 276.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 135, 208) }
```

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

```
.background{ background-color: rgb(85, 135,  
208) }
```

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