

Converting Colors

CIELCh(56, 39.894, 283.338)

Have a look what the booklet for
CIELCh(56, 39.894, 283.338)
contains.

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Color

CIELCh(56, 40.403, 283.964)

Conversions

Conversions Part 1

Format	Color
Hex	6A84CA
RGB	106, 132, 202
RGB Percent	42%, 52%, 79%
CMY	0.5834, 0.4815, 0.2069
CMYK	0.47, 0.35, 0.00, 0.21
HSL	224°, 48%, 60%
HSV	224°, 47%, 79%
XYZ	24.9381, 23.9124, 59.3202
YIQ	132.2060, -37.9660, 16.2580

Conversions

Conversions Part 2

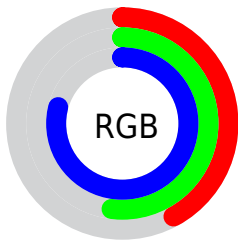
Format	Color
RYB	106, 126, 202
Decimal	6980810
CIELab	56.00, 9.75, -39.21
CIElCh	56, 40.403, 283.964
Yxy	23.9124, 0.2305, 0.2211
Android (android.graphics.Color)	4285170890 (0xFF6A84CA)
YUV	132.2060, 34.4084, -22.9827
Hunter-Lab	48.9003, 5.4555, -37.6936

Details

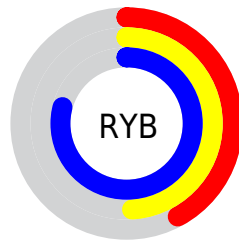
The CIELCh color $56, 40.403, 283.964$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $73, 39.142, 89.812$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 38.072, 283.122$, and $36, 40.097, 283.622$ is the 20% darker color. If you saturate the color by 10%, you get $51, 49.588, 286.545$, and if you desaturate by 10%, it is $61, 31.484, 281.727$.

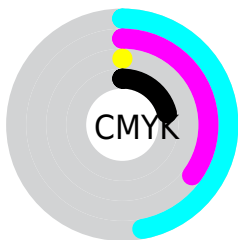
Distribution



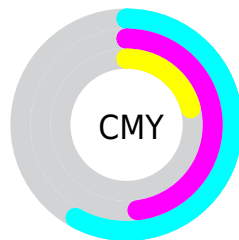
- Red (42%)
- Green (52%)
- Blue (79%)



- Red (42%)
- Yellow (49%)
- Blue (79%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)
- Black (21%)





- Cyan (58%)
- Magenta (48%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 40.403, 283.964 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, 40.403, 283.964 by changing the saturation by 10% instead.


 56, 40.403,
283.964


 56, 40.403,
283.964


 100, 40.403,
283.964


 46, 40.403,
283.964


 76, 40.403,
283.964

 36, 40.403,
283.964

 86, 40.403,
283.964

 26, 40.403,
283.964

 96, 40.403,
283.964

 16, 40.403,
283.964

 6, 40.403, 283.964

 0, 40.403, 283.964

■ 56, 40.403,
283.964

■ 56, 40.403,
283.964

■ 51, 49.588,
286.545

■ 61, 31.484,
281.727

■ 46, 59.066,
289.462

■ 67, 22.804,
279.806

■ 41, 68.814,
292.655

■ 72, 14.337,
278.165

■ 37, 78.690,
295.981

■ 77, 6.067, 276.773

■ 83, 2.019, 95.427

■ 33, 88.325,
299.199

■ 88, 9.927, 94.458

■ 32, 90.669,
299.925

■ 93, 17.662, 93.555

■ 98, 24.364,
104.057

■ 99, 26.621,

Harmonies

Complementary

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



56, 40.403, 283.964



73, 39.142, 89.812

Rectangle

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



56, 40.403, 283.964



56, 40.403, 333.964



56, 40.403, 103.964



56, 40.403, 153.964

Sweetspot

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



56, 40.402, 283.964



91, 13.818, 277.681



75, 35.245, 172.105



47, 9.563, 278.001



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, 40.402, 283.964



63, 59.391, 286.629



51, 56.269, 302.901



40, 4.648, 277.022



26, 77.114, 299.467



3, 19.213, 284.585

Inverse Universe

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



57, 40.913, 4.313



65, 59.165, 6.640



78, 50.183, 115.554



40, 4.648, 358.857



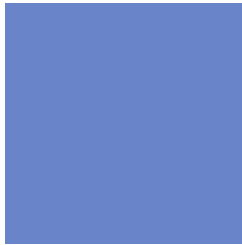
35, 64.278, 23.202



4, 18.437, 6.327

Previews

White Background



This preview shows how the CIELCh color 56, 40.403, 283.964 looks on a white background.

Color Contrast Check

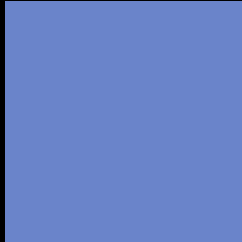
Large Text (above 18pt) WCAG AA ✓ Pass

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, 40.403, 283.964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

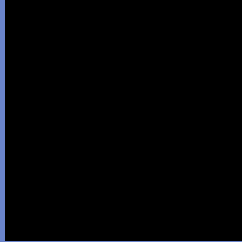
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 40.403, 283.964

Background



This preview shows how black text looks on a background with the CIELCh color 56, 40.403, 283.964.

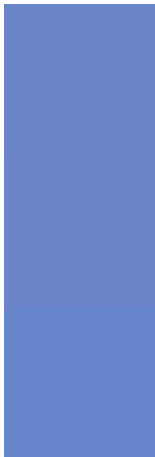


This preview shows how white text looks on a background with the CIELCh color 56, 40.403, 283.964.

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, 40.403, 283.964

Protanopia

56, 40.291, 285.090

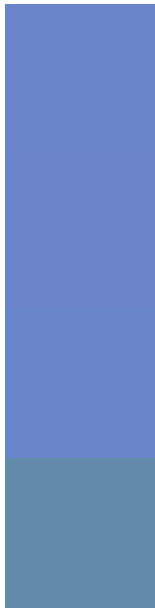
Deuteranopia

56, 40.021, 281.813



Tritanopia
56, 17.739, 218.922

Trichromacy



Original Color
56, 40.403, 283.964

Protanomaly
56, 40.327, 284.712

Deuteranomaly
56, 39.932, 282.542

Tritanomaly
56, 22.467, 256.587

Monochromacy



Original Color
56, 40.403, 283.964

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 15.181, 279.739

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 40.403, 283.964 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, 132, 202)` looks like.

```
.text, #text, p{  
    color:rgb(106, 132, 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(106, 132, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 132, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 40.403, 283.964 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, 132, 202) }
```

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

```
.border{ border-color:rgb(106, 132, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 132, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 132, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 132, 202);  
box-shadow:4px 4px 4px 4px rgb(106, 132,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 40.403, 283.964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 132, 202) }
```

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

```
.background{ background-color: rgb(106,  
132, 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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