

Converting Colors

CIELCh(55, 42.585, 276.768)

Have a look what the booklet for
CIELCh(55, 42.585, 276.768)
contains.

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Color

CIELCh(55, 42.585, 276.768)

Conversions

Conversions Part 1

Format	Color
Hex	5385CD
RGB	83, 133, 205
RGB Percent	33%, 52%, 80%
CMY	0.6756, 0.4794, 0.1971
CMYK	0.60, 0.35, 0.00, 0.20
HSL	215°, 55%, 56%
HSV	215°, 60%, 80%
XYZ	22.8840, 22.9298, 60.8089
YIQ	126.2580, -52.9120, 11.7920

Conversions

Conversions Part 2

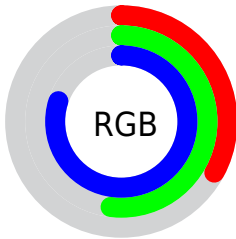
Format	Color
R _Y B	83, 118, 205
Decimal	5473741
CIE Lab	55.00, 5.02, -42.29
CIE LCh	55, 42.585, 276.768
Yxy	22.9298, 0.2146, 0.2151
Android (android.graphics.Color)	4283663821 (0xFF5385CD)
YUV	126.2580, 38.8198, -37.9373
Hunter-Lab	47.8851, 1.5051, -41.7723

Details

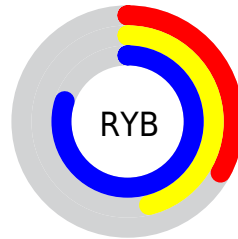
The CIELCh color **55, 42.585, 276.768** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **67, 45.678, 76.389**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 38.823, 274.071**, and **35, 42.410, 276.654** is the 20% darker color. If you saturate the color by 10%, you get **51, 49.917, 280.123**, and if you desaturate by 10%, it is **59, 35.347, 273.837**.

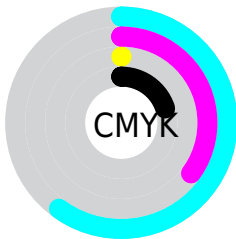
Distribution



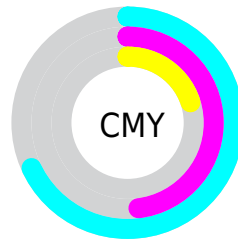
- Red (33%)
- Green (52%)
- Blue (80%)



- Red (33%)
- Yellow (46%)
- Blue (80%)



- Cyan (60%)
- Magenta (35%)
- Yellow (0%)
- Black (20%)





- Cyan (68%)
- Magenta (48%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 42.585, 276.768 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 55, 42.585, 276.768 by changing the saturation by 10% instead.


 55, 42.585,
276.768

 55, 42.585,
276.768


 100, 42.585,
276.768


 45, 42.585,
276.768


 75, 42.585,
276.768

 35, 42.585,
276.768

 85, 42.585,
276.768

 25, 42.585,
276.768

 95, 42.585,
276.768

 15, 42.585,
276.768

 5, 42.585, 276.768

 0, 42.585, 276.768

■ 55, 42.585,
276.768

■ 55, 42.585,
276.768

■ 51, 49.917,
280.123

■ 59, 35.347,
273.837

■ 47, 57.401,
283.857

■ 64, 28.164,
271.316

■ 43, 65.080,
287.853

■ 69, 21.011,
269.169

■ 39, 72.945,
291.841

■ 73, 13.884,
267.347

■ 39, 73.268,
291.991

■ 78, 6.784, 265.812

■ 82, 0.277, 83.341

■ 87, 7.289, 83.248

■ 92, 14.241, 82.276

■ 96, 19.421, 93.469

Harmonies

Complementary

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



55, 42.585, 276.768



67, 45.678, 76.389

Rectangle

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



55, 42.585, 276.768



55, 42.585, 326.768



55, 42.585, 96.768



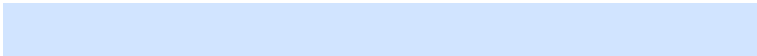
55, 42.585, 146.768

Sweetspot

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



55, 42.584, 276.769



90, 15.237, 267.121



75, 48.465, 161.554



46, 10.594, 267.616



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 42.584, 276.769



61, 61.813, 281.327



43, 72.727, 301.234



41, 3.999, 265.784



32, 61.626, 291.350



5, 16.833, 277.913

Inverse Universe

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



53, 53.221, 356.723



60, 73.493, 0.110



79, 61.233, 108.717



40, 5.013, 349.589



35, 61.294, 10.229



4, 19.159, 358.952

Previews

White Background



This preview shows how the CIE LCh color 55, 42.585, 276.768 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 55, 42.585, 276.768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

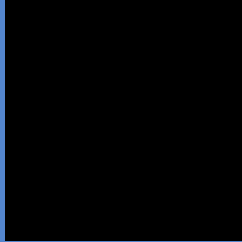
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

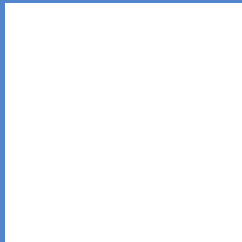
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 42.585, 276.768

Background



This preview shows how black text looks on a background with the CIELCh color 55, 42.585, 276.768.

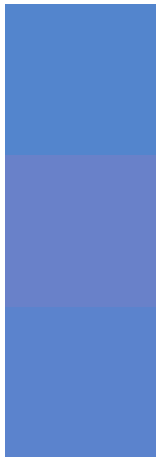


This preview shows how white text looks on a background with the CIELCh color 55, 42.585, 276.768.

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

55, 42.585, 276.768

Protanopia

55, 41.585, 285.327

Deuteranopia

55, 43.238, 280.465



Tritanopia
55, 25.144, 211.951

Trichromacy



Original Color
55, 42.585, 276.768

Protanomaly
55, 41.888, 282.153

Deuteranomaly
55, 42.848, 278.895

Tritanomaly
55, 26.870, 243.443

Monochromacy



Original Color
55, 42.585, 276.768

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 16.621, 269.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 42.585, 276.768 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(83, 133, 205)` looks like.

```
.text, #text, p{  
    color:rgb(83, 133, 205)  
}
```

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(83, 133, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 133, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 42.585, 276.768 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(83, 133, 205) }
```

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

```
.border{ border-color:rgb(83, 133, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 133, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 133, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 133, 205);  
box-shadow:4px 4px 4px 4px rgb(83, 133,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 42.585, 276.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 133, 205) }
```

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

```
.background{ background-color: rgb(83, 133,  
205) }
```

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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