

Converting Colors

CIELCh(56, 42.584, 275.607)

Have a look what the booklet for
CIELCh(56, 42.584, 275.607)
contains.

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Color

CIELCh(56, 42.624, 275.693)

Conversions

Conversions Part 1

Format	Color
Hex	5388D0
RGB	83, 136, 208
RGB Percent	33%, 53%, 82%
CMY	0.6755, 0.4676, 0.1853
CMYK	0.60, 0.35, 0.00, 0.19
HSL	215°, 57%, 57%
HSV	215°, 60%, 81%
XYZ	23.6697, 23.9124, 62.8807
YIQ	128.3610, -54.7000, 11.1560

Conversions

Conversions Part 2

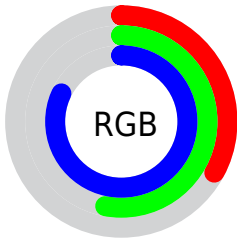
Format	Color
R _Y B	83, 120, 208
Decimal	5474512
CIE Lab	56.00, 4.23, -42.41
CIE LCh	56, 42.624, 275.693
Yxy	23.9124, 0.2143, 0.2165
Android (android.graphics.Color)	4283664592 (0xFF5388D0)
YUV	128.3610, 39.2620, -39.7816
Hunter-Lab	48.9003, 0.8256, -42.0105

Details

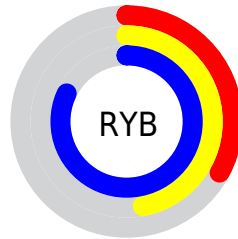
The CIELCh color $56, 42.624, 275.693$ is a dark color, and the websafe version is hex `6699CC`. The color can be described as middle muted azure. A complement of this color would be $68, 46.436, 74.996$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 37.420, 272.065$, and $36, 42.351, 275.679$ is the 20% darker color. If you saturate the color by 10%, you get $52, 49.818, 279.112$, and if you desaturate by 10%, it is $60, 35.502, 272.709$.

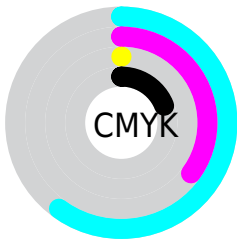
Distribution



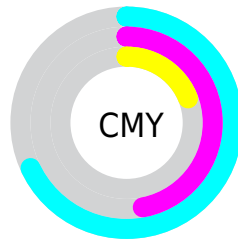
- Red (33%)
- Green (53%)
- Blue (82%)



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



- Cyan (60%)
- Magenta (35%)
- Yellow (0%)
- Black (19%)





- Cyan (68%)
- Magenta (47%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 42.624, 275.693 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, 42.624, 275.693 by changing the saturation by 10% instead.


 56, 42.624,
275.693


 56, 42.624,
275.693


 100, 42.624,
275.693


 46, 42.624,
275.693


 76, 42.624,
275.693

 36, 42.624,
275.693

 86, 42.624,
275.693

 26, 42.624,
275.693

 96, 42.624,
275.693

 16, 42.624,
275.693

 6, 42.624, 275.693

 0, 42.624, 275.693

■ 56, 42.624,
275.693

■ 56, 42.624,
275.693

■ 52, 49.818,
279.112

■ 60, 35.502,
272.709

■ 48, 57.147,
282.920

■ 65, 28.411,
270.145

■ 44, 64.664,
286.997

■ 69, 21.328,
267.964

■ 40, 72.247,
290.986

■ 74, 14.249,
266.117

■ 79, 7.179, 264.562

■ 83, 0.132, 265.581

■ 88, 6.881, 81.969

■ 93, 13.846, 80.994

■ 96, 18.688, 95.323

Harmonies

Complementary

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



56, 42.624, 275.693



68, 46.436, 74.996

Rectangle

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



56, 42.624, 275.693



56, 42.624, 325.693



56, 42.624, 95.693



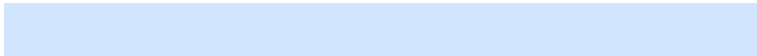
56, 42.624, 145.693

Sweetspot

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



56, 42.623, 275.694



90, 15.010, 265.790



76, 50.193, 160.482



47, 10.433, 266.285



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, 42.623, 275.694



62, 60.414, 280.097



43, 74.418, 300.991



42, 4.024, 264.455



33, 60.807, 290.341



5, 17.846, 278.045

Inverse Universe

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



53, 54.568, 355.856



60, 73.745, 359.014



81, 62.405, 107.873



41, 5.162, 348.732



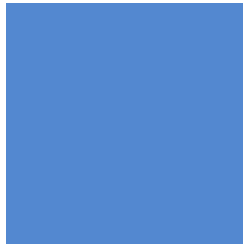
36, 61.904, 8.929



5, 21.161, 358.679

Previews

White Background



This preview shows how the CIE LCh color 56, 42.624, 275.693 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, 42.624, 275.693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

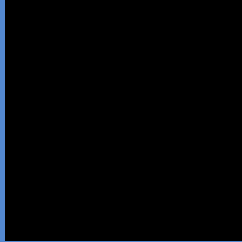
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

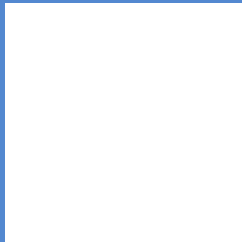
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 42.624, 275.693

Background



This preview shows how black text looks on a background with the CIELCh color 56, 42.624, 275.693.

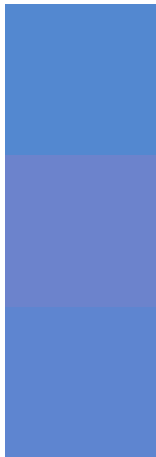


This preview shows how white text looks on a background with the CIELCh color 56, 42.624, 275.693.

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, 42.624, 275.693

Protanopia

56, 42.000, 285.802

Deuteranopia

56, 43.632, 280.920



Tritanopia
56, 25.997, 212.702

Trichromacy



Original Color
56, 42.624, 275.693

Protanomaly
56, 41.786, 281.632

Deuteranomaly
56, 43.287, 279.069

Tritanomaly
56, 27.771, 243.021

Monochromacy



Original Color
56, 42.624, 275.693

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 16.162, 267.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 42.624, 275.693 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, 136, 208)` looks like.

```
.text, #text, p{  
    color:rgb(83, 136, 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(83, 136, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 136, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 42.624, 275.693 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, 136, 208) }
```

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

```
.border{ border-color:rgb(83, 136, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 136, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 136, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 136, 208);  
box-shadow:4px 4px 4px 4px rgb(83, 136,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 42.624, 275.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 136, 208) }
```

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

```
.background{ background-color: rgb(83, 136,  
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](#).

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