

Converting Colors

CIELCh(57, 29.640, 257.166)

Have a look what the booklet for
CIELCh(57, 29.640, 257.166)
contains.

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Color

CIELCh(57, 29.628, 257.082)

Conversions

Conversions Part 1

Format	Color
Hex	538FBB
RGB	83, 143, 187
RGB Percent	33%, 56%, 73%
CMY	0.6761, 0.4407, 0.2682
CMYK	0.56, 0.24, 0.00, 0.27
HSL	205°, 43%, 53%
HSV	205°, 56%, 73%
XYZ	22.2236, 24.9227, 50.4289
YIQ	130.0760, -49.8840, 0.9640

Conversions

Conversions Part 2

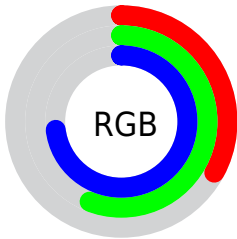
Format	Color
R _Y B	83, 121, 187
Decimal	5476283
CIE Lab	57.00, -6.62, -28.88
CIE LCh	57, 29.628, 257.082
Yxy	24.9227, 0.2278, 0.2554
Android (android.graphics.Color)	4283666363 (0xFF538FBB)
YUV	130.0760, 28.0635, -41.2857
Hunter-Lab	49.9226, -7.9033, -24.9455

Details

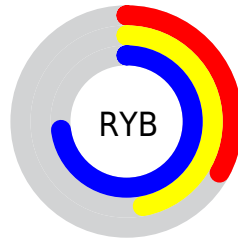
The CIELCh color `57, 29.628, 257.082` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `58, 37.962, 60.845`, and the grayscale version is `54, 0.007, 296.813`.

A 20% lighter version of the original color is `77, 29.437, 256.256`, and `37, 29.749, 257.362` is the 20% darker color. If you saturate the color by 10%, you get `54, 34.189, 260.369`, and if you desaturate by 10%, it is `60, 24.814, 254.328`.

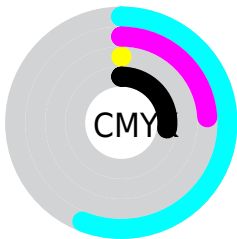
Distribution



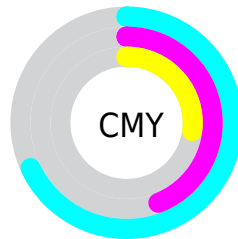
- Red (33%)
- Green (56%)
- Blue (73%)



- Red (33%)
- Yellow (47%)
- Blue (73%)



- Cyan (56%)
- Magenta (24%)
- Yellow (0%)
- Black (27%)





- Cyan (68%)
- Magenta (44%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 29.628, 257.082 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 57, 29.628, 257.082 by changing the saturation by 10% instead.

 57, 29.628,
257.082


 57, 29.628,
257.082


 100, 29.628,
257.082


 47, 29.628,
257.082

 77, 29.628,
257.082

 37, 29.628,
257.082

 87, 29.628,
257.082

 27, 29.628,
257.082

 97, 29.628,
257.082

 17, 29.628,
257.082

 7, 29.628, 257.082

 0, 29.628, 257.082

■ 57, 29.628,
257.082

■ 57, 29.628,
257.082

■ 54, 34.189,
260.369

■ 60, 24.814,
254.328

■ 51, 38.539,
264.222

■ 63, 19.749,
252.044

■ 48, 42.760,
268.614

■ 67, 14.452,
250.160

■ 46, 46.977,
273.420

■ 70, 8.959, 248.613

■ 45, 48.835,
275.419

■ 74, 3.307, 247.394

■ 77, 2.466, 66.025

■ 81, 8.327, 65.234

■ 84, 14.245, 64.487

■ 88, 20.197, 63.842

Harmonies

Complementary

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



57, 29.628, 257.082



58, 37.962, 60.845

Rectangle

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



57, 29.628, 257.082



57, 29.628, 307.082



57, 29.628, 77.082



57, 29.628, 127.082

Sweetspot

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



57, 29.627, 257.082



88, 11.938, 248.831



69, 49.219, 153.612



46, 8.029, 249.127



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



57, 29.627, 257.082



68, 42.852, 261.225



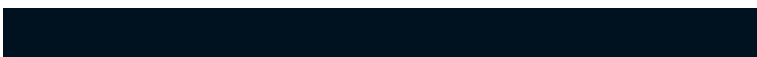
43, 57.128, 295.496



38, 3.280, 247.789



38, 42.740, 274.740



5, 10.697, 261.204

Inverse Universe

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



50, 50.431, 345.184



60, 71.783, 347.084



72, 49.898, 100.840



37, 5.251, 340.391



34, 60.681, 354.451



3, 14.631, 347.032

Previews

White Background



This preview shows how the CIELCh color 57, 29.628, 257.082 looks on a white background.

Color Contrast Check

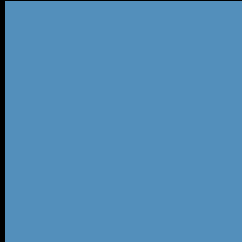
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 29.628, 257.082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

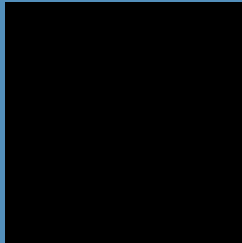
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

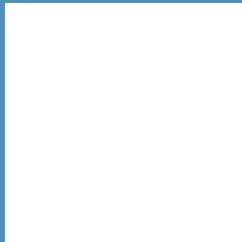
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 29.628, 257.082

Background



This preview shows how black text looks on a background with the CIELCh color 57, 29.628, 257.082.

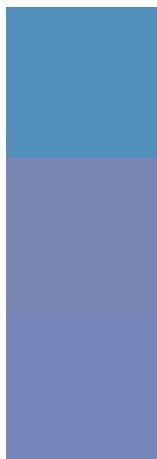


This preview shows how white text looks on a background with the CIELCh color 57, 29.628, 257.082.

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
57, 29.628, 257.082

Protanopia
57, 26.418, 285.277

Deuteranopia
57, 30.478, 283.982



Tritanopia
57, 24.040, 212.673

Trichromacy



Original Color
57, 29.628, 257.082

Protanomaly
57, 26.900, 273.119

Deuteranomaly
57, 29.205, 273.490

Tritanomaly
57, 24.285, 230.824

Monochromacy



Original Color
57, 29.628, 257.082

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 11.893, 249.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 29.628, 257.082 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, 143, 187)` looks like.

```
.text, #text, p{  
    color:rgb(83, 143, 187)  
}
```

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, 143, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 143, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 29.628, 257.082 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, 143, 187) }
```

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

```
.border{ border-color:rgb(83, 143, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 143, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 143, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 143, 187);  
box-shadow:4px 4px 4px 4px rgb(83, 143,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 29.628, 257.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 143, 187) }
```

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

```
.background{ background-color: rgb(83, 143,  
187) }
```

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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