

Converting Colors

CIELCh(55, 58.530, 290.939)

Have a look what the booklet for
CIELCh(55, 58.530, 290.939)
contains.

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Color

CIELCh(55, 58.432, 290.914)

Conversions

Conversions Part 1

Format	Color
Hex	667DE3
RGB	102, 125, 227
RGB Percent	40%, 49%, 89%
CMY	0.6013, 0.5109, 0.1111
CMYK	0.55, 0.45, 0.00, 0.11
HSL	229°, 69%, 64%
HSV	229°, 55%, 89%
XYZ	26.5610, 22.9298, 75.4678
YIQ	129.7510, -46.4500, 26.8460

Conversions

Conversions Part 2

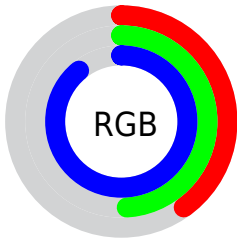
Format	Color
RYB	102, 121, 227
Decimal	6716899
CIELab	55.00, 20.86, -54.58
CIELCh	55, 58.432, 290.914
Yxy	22.9298, 0.2126, 0.1835
Android (android.graphics.Color)	4284906979 (0xFF667DE3)
YUV	129.7510, 47.9438, -24.3376
Hunter-Lab	47.8851, 15.2117, -59.9225

Details

The CIELCh color **55, 58.432, 290.914** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **82, 53.200, 94.806**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 42.367, 287.616**, and **35, 58.279, 290.766** is the 20% darker color. If you saturate the color by 10%, you get **49, 70.262, 293.585**, and if you desaturate by 10%, it is **61, 46.997, 288.543**.

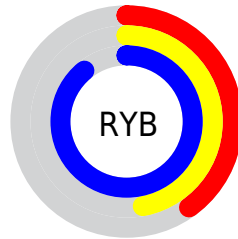
Distribution



Red (40%)

Green (49%)

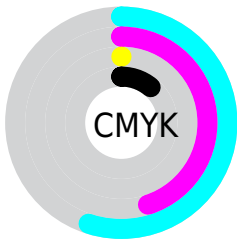
Blue (89%)



Red (40%)

Yellow (47%)

Blue (89%)

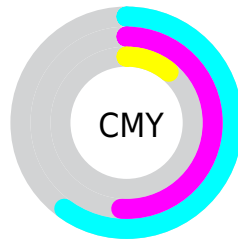


Cyan (55%)

Magenta (45%)

Yellow (0%)

Black (11%)



Cyan (60%)


Magenta (51%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 58.432, 290.914 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, 58.432, 290.914 by changing the saturation by 10% instead.


 55, 58.432,
290.914


 55, 58.432,
290.914


 100, 58.432,
290.914


 45, 58.432,
290.914


 75, 58.432,
290.914

 35, 58.432,
290.914

 85, 58.432,
290.914

 25, 58.432,
290.914

 95, 58.432,
290.914

 15, 58.432,
290.914

 5, 58.432, 290.914

 0, 58.432, 290.914

■ 55, 58.432,
290.914

■ 55, 58.432,
290.914

■ 49, 70.262,
293.585

■ 61, 46.997,
288.543

■ 43, 82.359,
296.475

■ 68, 35.969,
286.486

■ 38, 94.330,
299.414

■ 74, 25.321,
284.721

■ 34, 105.341,
302.135

■ 80, 15.018,
283.217

■ 32, 110.013,
303.249

■ 87, 5.033, 281.948

■ 93, 4.658, 100.775

■ 99, 13.906,
107.839

■ 99, 14.329,
109.095

Harmonies

Complementary

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



55, 58.432, 290.914



82, 53.200, 94.806

Rectangle

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



55, 58.432, 290.914



55, 58.432, 340.914



55, 58.432, 110.914



55, 58.432, 160.914

Sweetspot

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



55, 58.431, 290.915



88, 18.600, 283.493



83, 40.807, 177.619



45, 12.479, 283.787



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, 58.431, 290.915



54, 78.487, 293.947



52, 72.579, 306.101



44, 5.538, 282.463



24, 89.805, 302.844



4, 27.631, 291.674

Inverse Universe

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



59, 51.978, 12.689



61, 68.278, 16.008



85, 64.005, 118.764



44, 4.861, 5.261



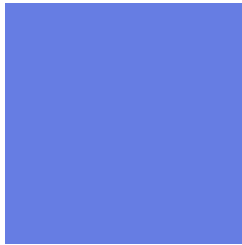
37, 70.948, 30.396



6, 25.282, 13.138

Previews

White Background



This preview shows how the CIELCh color 55, 58.432, 290.914 looks on a white background.

Color Contrast Check

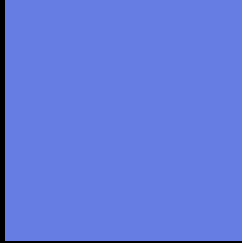
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.432, 290.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

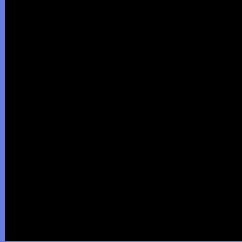
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 58.432, 290.914

Background



This preview shows how black text looks on a background with the CIELCh color 55, 58.432, 290.914.

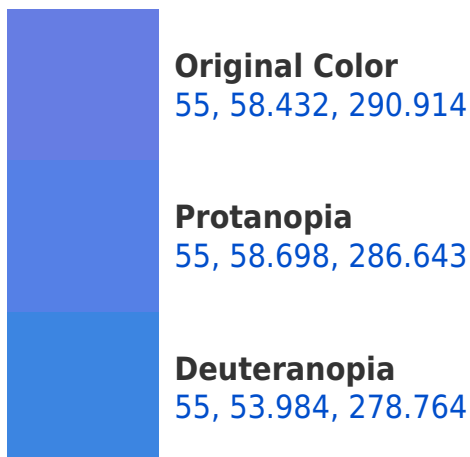


This preview shows how white text looks on a background with the CIELCh color 55, 58.432, 290.914.

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





Tritanopia
55, 22.026, 215.978

Trichromacy



Original Color
55, 58.432, 290.914

Protanomaly
55, 58.585, 288.054

Deuteranomaly
55, 55.677, 283.036

Tritanomaly
55, 29.167, 262.100

Monochromacy



Original Color
55, 58.432, 290.914

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 22.024, 285.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 58.432, 290.914 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(102, 125, 227)` looks like.

```
.text, #text, p{  
    color:rgb(102, 125, 227)  
}
```

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(102, 125, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 125, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 58.432, 290.914 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(102, 125, 227) }
```

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

```
.border{ border-color:rgb(102, 125, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 125, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 125, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 125, 227);  
box-shadow:4px 4px 4px 4px rgb(102, 125,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 58.432, 290.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 125, 227) }
```

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

```
.background{ background-color: rgb(102,  
125, 227) }
```

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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