

Converting Colors

CIELCh(59, 45.204, 272.575)

Have a look what the booklet for
CIELCh(59, 45.204, 272.575)
contains.

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Color

CIELCh(59, 45.204, 272.575)

Conversions

Conversions Part 1

Format	Color
Hex	4C91DD
RGB	76, 145, 221
RGB Percent	30%, 57%, 87%
CMY	0.7017, 0.4312, 0.1331
CMYK	0.66, 0.34, 0.00, 0.13
HSL	211°, 68%, 58%
HSV	211°, 66%, 87%
XYZ	26.1763, 27.0277, 72.2808
YIQ	133.0330, -65.5200, 9.0080

Conversions

Conversions Part 2

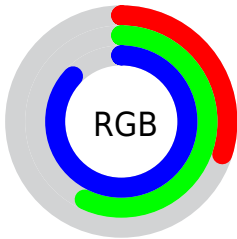
Format	Color
R_{YB}	76, 123, 221
Decimal	5018077
CIE Lab	59.00, 2.03, -45.16
CIE LCh	59, 45.204, 272.575
Yxy	27.0277, 0.2086, 0.2154
Android (android.graphics.Color)	4283208157 (0xFF4C91DD)
YUV	133.0330, 43.3677, -50.0179
Hunter-Lab	51.9882, -1.1040, -46.0409

Details

The CIELCh color **59, 45.204, 272.575** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **68, 52.785, 69.347**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 33.960, 261.479**, and **39, 44.362, 275.109** is the 20% darker color. If you saturate the color by 10%, you get **55, 51.907, 276.380**, and if you desaturate by 10%, it is **63, 38.505, 269.242**.

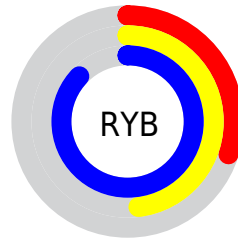
Distribution



Red (30%)

Green (57%)

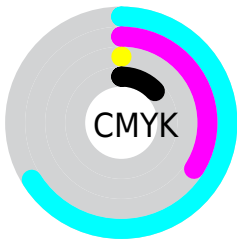
Blue (87%)



Red (30%)

Yellow (48%)

Blue (87%)

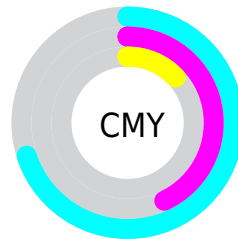


Cyan (66%)

Magenta (34%)

Yellow (0%)

Black (13%)



Cyan (70%)


Magenta (43%)


Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 45.204, 272.575 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 59, 45.204, 272.575 by changing the saturation by 10% instead.


 59, 45.204,
272.575


 59, 45.204,
272.575


 100, 45.204,
272.575


 49, 45.204,
272.575


 79, 45.204,
272.575

 39, 45.204,
272.575

 89, 45.204,
272.575

 29, 45.204,
272.575

 99, 45.204,
272.575

 19, 45.204,
272.575

 9, 45.204, 272.575

 0, 45.204, 272.575

■ 59, 45.204,
272.575

■ 59, 45.204,
272.575

■ 55, 51.907,
276.380

■ 63, 38.505,
269.242

■ 51, 58.706,
280.581

■ 68, 31.753,
266.381

■ 48, 65.685,
285.016

■ 72, 24.918,
263.958

■ 46, 68.850,
286.909


■ 76, 17.997,
261.917

■ 81, 11.004,
260.204

■ 86, 3.959, 258.806

■ 90, 3.115, 77.350

■ 95, 10.195, 76.373

 98, 14.508,
100.835

Harmonies

Complementary

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



59, 45.204, 272.575



68, 52.785, 69.347

Rectangle

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



59, 45.204, 272.575



59, 45.204, 322.575



59, 45.204, 92.575



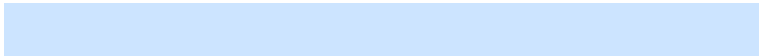
59, 45.204, 142.575

Sweetspot

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



59, 45.203, 272.576



90, 15.829, 260.950



79, 59.265, 156.793



46, 10.788, 261.443



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 45.203, 272.576



61, 60.866, 278.038



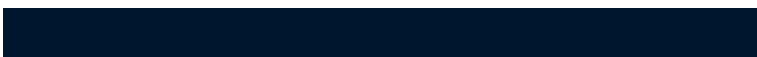
41, 86.098, 301.173



44, 3.990, 259.300



36, 56.482, 286.139



7, 18.805, 276.093

Inverse Universe

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



55, 62.672, 353.466



58, 78.973, 357.101



86, 70.233, 105.045



43, 5.548, 345.736



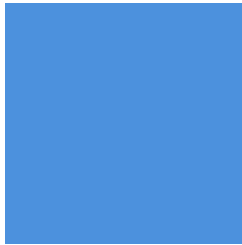
37, 63.298, 4.085



6, 24.839, 356.216

Previews

White Background



This preview shows how the CIELCh color 59, 45.204, 272.575 looks on a white background.

Color Contrast Check

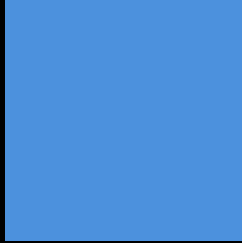
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 45.204, 272.575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

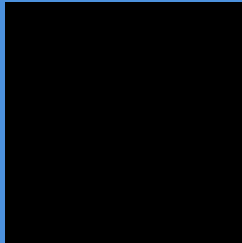
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 45.204, 272.575

Background



This preview shows how black text looks on a background with the CIELCh color 59, 45.204, 272.575.

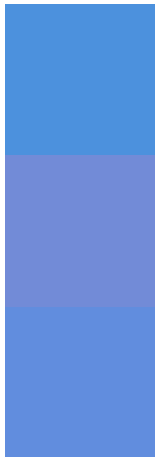


This preview shows how white text looks on a background with the CIELCh color 59, 45.204, 272.575.

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

59, 45.204, 272.575

Protanopia

59, 43.306, 285.340

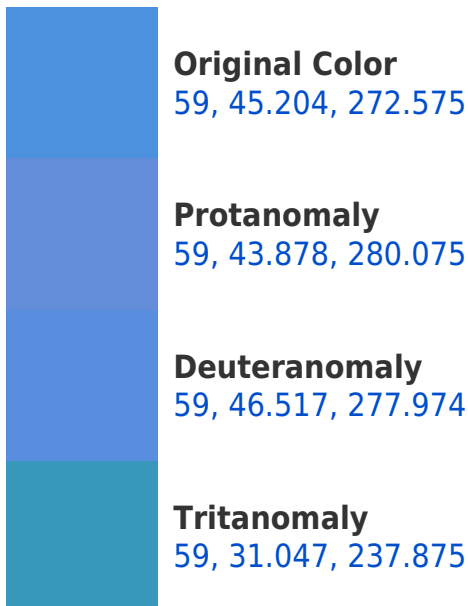
Deuteranopia

59, 46.669, 280.660

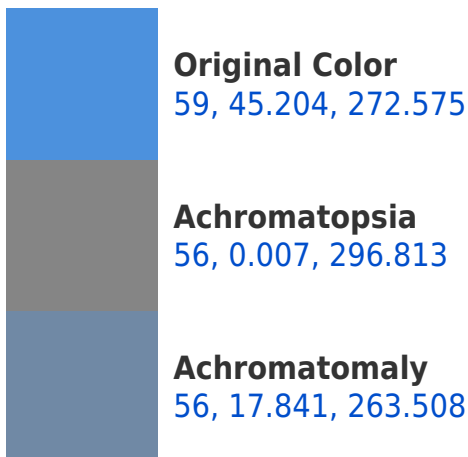


Tritanopia
59, 30.297, 210.051

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 45.204, 272.575 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(76, 145, 221)` looks like.

```
.text, #text, p{  
    color:rgb(76, 145, 221)  
}
```

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(76, 145, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 145, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 45.204, 272.575 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(76, 145, 221) }
```

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

```
.border{ border-color:rgb(76, 145, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 145, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 145, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 145, 221);  
box-shadow:4px 4px 4px 4px rgb(76, 145,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 45.204, 272.575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 145, 221) }
```

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

```
.background{ background-color: rgb(76, 145,  
221) }
```

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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