

Converting Colors

CIELCh(52, 67.778, 291.240)

Have a look what the booklet for
CIELCh(52, 67.778, 291.240)
contains.

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Color

CIELCh(52, 67.647, 291.272)

Conversions

Conversions Part 1

Format	Color
Hex	5174E9
RGB	81, 116, 233
RGB Percent	32%, 45%, 91%
CMY	0.6820, 0.5449, 0.0860
CMYK	0.65, 0.50, 0.00, 0.09
HSL	226°, 78%, 62%
HSV	226°, 65%, 91%
XYZ	24.3701, 20.1443, 79.7460
YIQ	118.8730, -58.4170, 28.9670

Conversions

Conversions Part 2

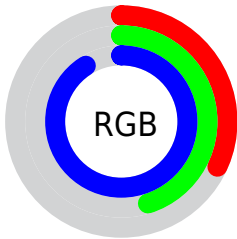
Format	Color
R _Y B	81, 109, 233
Decimal	5338345
CIE Lab	52.00, 24.54, -63.04
CIE LCh	52, 67.647, 291.272
Yxy	20.1443, 0.1961, 0.1621
Android (android.graphics.Color)	4283528425 (0xFF5174E9)
YUV	118.8730, 56.2646, -33.2146
Hunter-Lab	44.8824, 18.3768, -73.9274

Details

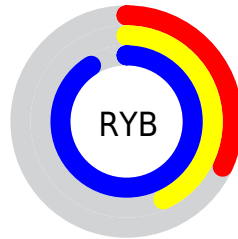
The CIELCh color **52, 67.647, 291.272** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **81, 61.269, 90.331**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 47.772, 286.496**, and **33, 66.862, 292.822** is the 20% darker color. If you saturate the color by 10%, you get **46, 79.265, 294.323**, and if you desaturate by 10%, it is **58, 56.344, 288.485**.

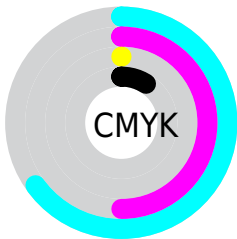
Distribution



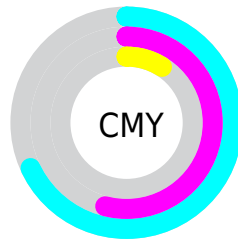
- Red (32%)
- Green (45%)
- Blue (91%)



- Red (32%)
- Yellow (43%)
- Blue (91%)



- Cyan (65%)
- Magenta (50%)
- Yellow (0%)
- Black (9%)





- Cyan (68%)
- Magenta (54%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 67.647, 291.272 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 52, 67.647, 291.272 by changing the saturation by 10% instead.


 52, 67.647,
291.272


 52, 67.647,
291.272


 100, 67.647,
291.272


 42, 67.647,
291.272


 72, 67.647,
291.272

 32, 67.647,
291.272

 82, 67.647,
291.272

 22, 67.647,
291.272

 92, 67.647,
291.272

 12, 67.647,
291.272

 2, 67.647, 291.272

 0, 67.647, 291.272

■ 52, 67.647,
291.272

■ 52, 67.647,
291.272

■ 46, 79.265,
294.323

■ 58, 56.344,
288.485

■ 41, 90.955,
297.485

■ 64, 45.414,
286.022

■ 37, 102.139,
300.518

■ 70, 34.842,
283.890

■ 35, 107.073,
301.801

■ 77, 24.594,
282.063

■ 83, 14.640,
280.504

■ 89, 4.955, 279.193

■ 95, 4.478, 97.960

■ 99, 11.101,
109.338

Harmonies

Complementary

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



52, 67.647, 291.272



81, 61.269, 90.331

Rectangle

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



52, 67.647, 291.272



52, 67.647, 341.272



52, 67.647, 111.272



52, 67.647, 161.272

Sweetspot

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



52, 67.647, 291.273



87, 20.842, 281.235



84, 48.530, 173.450



44, 14.274, 281.684



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



52, 67.647, 291.273



49, 88.828, 295.324



47, 88.354, 306.230



46, 5.458, 279.720



27, 87.316, 301.342



5, 30.029, 292.809

Inverse Universe

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



57, 62.385, 12.060



57, 78.038, 16.984



87, 74.982, 117.007



46, 5.127, 1.821



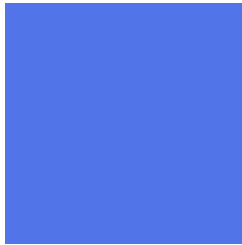
38, 70.444, 27.017



7, 27.857, 13.063

Previews

White Background



This preview shows how the CIE LCh color 52, 67.647, 291.272 looks on a white background.

Color Contrast Check

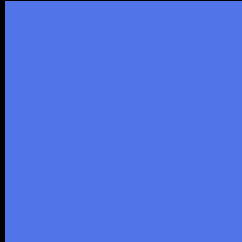
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 67.647, 291.272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

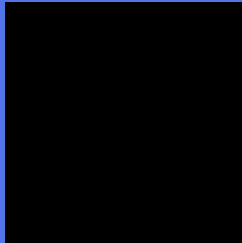
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 67.647, 291.272

Background



This preview shows how black text looks on a background with the CIELCh color 52, 67.647, 291.272.



This preview shows how white text looks on a background with the CIELCh color 52, 67.647, 291.272.

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
52, 29.266, 209.538

Trichromacy



Original Color
52, 67.647, 291.272

Protanomaly
52, 68.389, 288.833

Deuteranomaly
51, 60.763, 281.412

Tritanomaly
51, 34.599, 256.342

Monochromacy



Original Color
52, 67.647, 291.272

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 24.794, 283.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 67.647, 291.272 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(81, 116, 233)` looks like.

```
.text, #text, p{  
    color:rgb(81, 116, 233)  
}
```

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(81, 116, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 116, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 67.647, 291.272 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(81, 116, 233) }
```

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

```
.border{ border-color:rgb(81, 116, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 116, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 116, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 116, 233);  
box-shadow:4px 4px 4px 4px rgb(81, 116,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 67.647, 291.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 116, 233) }
```

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

```
.background{ background-color: rgb(81, 116,  
233) }
```

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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