

Converting Colors

CIELCh(52, 67.355, 296.096)

Have a look what the booklet for
CIELCh(52, 67.355, 296.096)
contains.

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Color

CIELCh(52, 67.527, 296.166)

Conversions

Conversions Part 1

Format	Color
Hex	6870E5
RGB	104, 112, 229
RGB Percent	41%, 44%, 90%
CMY	0.5927, 0.5613, 0.1025
CMYK	0.55, 0.51, 0.00, 0.10
HSL	236°, 71%, 65%
HSV	236°, 55%, 90%
XYZ	25.5951, 20.1443, 76.5630
YIQ	122.9460, -42.3250, 34.6910

Conversions

Conversions Part 2

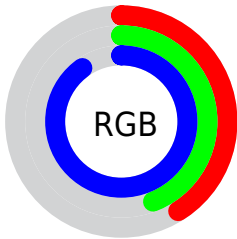
Format	Color
RYB	104, 112, 229
Decimal	6844645
CIELab	52.00, 29.78, -60.61
CIELCh	52, 67.527, 296.166
Yxy	20.1443, 0.2093, 0.1647
Android (android.graphics.Color)	4285034725 (0xFF6870E5)
YUV	122.9460, 52.2846, -16.6156
Hunter-Lab	44.8824, 23.2487, -69.7225

Details

The CIELCh color $52, 67.527, 296.166$ is a light color, and the websafe version is hex `6666CC`. A complement of this color would be $87, 58.698, 101.897$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $71, 49.765, 294.527$, and $32, 68.089, 296.344$ is the 20% darker color. If you saturate the color by 10%, you get $45, 81.349, 298.541$, and if you desaturate by 10%, it is $59, 54.054, 294.013$.

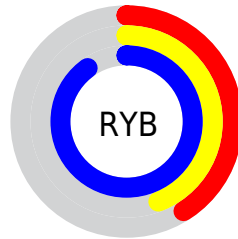
Distribution



Red (41%)

Green (44%)

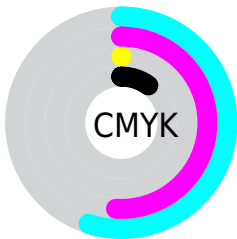
Blue (90%)



Red (41%)

Yellow (44%)

Blue (90%)

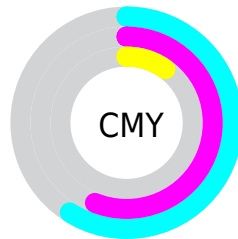


Cyan (55%)

Magenta (51%)

Yellow (0%)

Black (10%)



Cyan (59%)


Magenta (56%)


Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 67.527, 296.166 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, 67.527, 296.166 by changing the saturation by 10% instead.


 52, 67.527,
296.166


 52, 67.527,
296.166


 100, 67.527,
296.166


 42, 67.527,
296.166


 72, 67.527,
296.166

 32, 67.527,
296.166

 82, 67.527,
296.166

 22, 67.527,
296.166

 92, 67.527,
296.166

 12, 67.527,
296.166

 2, 67.527, 296.166

 0, 67.527, 296.166

■ 52, 67.527,
296.166

■ 52, 67.527,
296.166

■ 45, 81.349,
298.541

■ 59, 54.054,
294.013

■ 39, 95.048,
300.996

■ 66, 41.085,
292.129

■ 34, 107.560,
303.278

■ 73, 28.636,
290.511

■ 31, 117.169,
305.054

■ 80, 16.679,
289.135

■ 29, 120.585,
305.672

■ 88, 5.179, 287.977

■ 95, 5.902, 106.944

■ 99, 13.230,
109.178

Harmonies

Complementary

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



52, 67.527, 296.166



87, 58.698, 101.897

Rectangle

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



52, 67.527, 296.166



52, 67.527, 346.166



52, 67.527, 116.166



52, 67.527, 166.166

Sweetspot

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



52, 67.527, 296.167



88, 19.984, 289.324



84, 37.228, 190.068



45, 13.546, 289.597



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, 67.527, 296.167



49, 90.952, 298.976



55, 72.661, 309.871



44, 6.434, 288.510



22, 99.449, 305.482



3, 32.176, 295.518

Inverse Universe

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



60, 52.969, 21.623



61, 70.921, 25.022



85, 65.948, 124.137



45, 4.826, 14.747



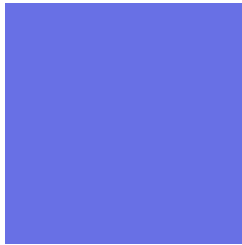
37, 77.313, 37.392



6, 26.907, 19.110

Previews

White Background



This preview shows how the CIELCh color 52, 67.527, 296.166 looks on a white background.

Color Contrast Check

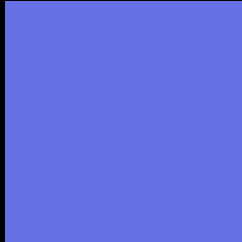
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.527, 296.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

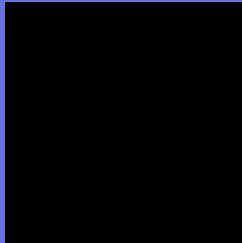
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 67.527, 296.166

Background



This preview shows how black text looks on a background with the CIELCh color 52, 67.527, 296.166.



This preview shows how white text looks on a background with the CIELCh color 52, 67.527, 296.166.

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

52, 67.527, 296.166

Protanopia

52, 67.900, 287.246

Deuteranopia

52, 57.802, 277.556



Tritanopia
52, 20.185, 214.480

Trichromacy



Original Color
52, 67.527, 296.166

Protanomaly
52, 67.744, 289.906

Deuteranomaly
51, 61.188, 282.553

Tritanomaly
51, 30.369, 269.930

Monochromacy



Original Color
52, 67.527, 296.166

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 24.481, 290.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 67.527, 296.166 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(104, 112, 229)` looks like.

```
.text, #text, p{  
    color:rgb(104, 112, 229)  
}
```

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(104, 112, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 112, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 67.527, 296.166 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(104, 112, 229) }
```

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

```
.border{ border-color:rgb(104, 112, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 112, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 112, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 112, 229);  
box-shadow:4px 4px 4px 4px rgb(104, 112,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 67.527, 296.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 112, 229) }
```

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

```
.background{ background-color: rgb(104,  
112, 229) }
```

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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