

Converting Colors

CIELCh(52, 70.865, 296.066)

Have a look what the booklet for
CIELCh(52, 70.865, 296.066)
contains.

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Color

CIELCh(52, 70.966, 296.091)

Conversions

Conversions Part 1

Format	Color
Hex	646FEA
RGB	100, 111, 234
RGB Percent	39%, 44%, 92%
CMY	0.6061, 0.5633, 0.0807
CMYK	0.57, 0.52, 0.00, 0.08
HSL	235°, 76%, 66%
HSV	235°, 57%, 92%
XYZ	25.9374, 20.1443, 80.6735
YIQ	121.7330, -46.0390, 35.9210

Conversions

Conversions Part 2

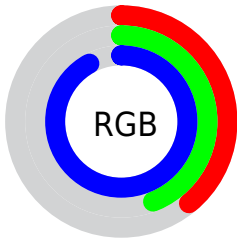
Format	Color
R _Y B	100, 110, 234
Decimal	6582250
CIE Lab	52.00, 31.21, -63.73
CIE LCh	52, 70.966, 296.091
Yxy	20.1443, 0.2046, 0.1589
Android (android.graphics.Color)	4284772330 (0xFF646FEA)
YUV	121.7330, 55.3476, -19.0598
Hunter-Lab	44.8824, 24.6102, -75.1526

Details

The CIELCh color `52, 70.966, 296.091` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `88, 61.419, 100.724`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 50.358, 293.947`, and `32, 70.556, 295.920` is the 20% darker color. If you saturate the color by 10%, you get `45, 84.849, 298.556`, and if you desaturate by 10%, it is `59, 57.393, 293.839`.

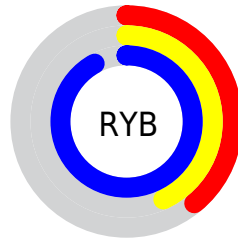
Distribution



Red (39%)

Green (44%)

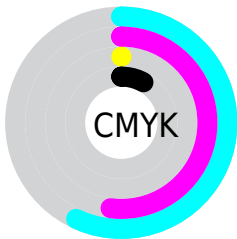
Blue (92%)



Red (39%)

Yellow (43%)

Blue (92%)

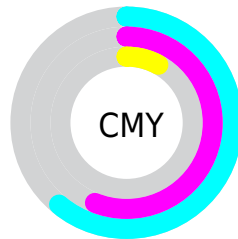


Cyan (57%)

Magenta (52%)

Yellow (0%)

Black (8%)



Cyan (61%)


Magenta (56%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 70.966, 296.091 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, 70.966, 296.091 by changing the saturation by 10% instead.


 52, 70.966,
296.091


 52, 70.966,
296.091


 100, 70.966,
296.091


 42, 70.966,
296.091


 72, 70.966,
296.091

 32, 70.966,
296.091

 82, 70.966,
296.091

 22, 70.966,
296.091

 92, 70.966,
296.091

 12, 70.966,
296.091

 2, 70.966, 296.091

 0, 70.966, 296.091

■ 52, 70.966,
296.091

■ 52, 70.966,
296.091

■ 45, 84.849,
298.556

■ 59, 57.393,
293.839

■ 39, 98.513,
301.074

■ 66, 44.311,
291.858

■ 35, 110.814,
303.376

■ 73, 31.747,
290.153

■ 31, 120.024,
305.130

■ 81, 19.675,
288.700

■ 30, 121.889,
305.468

■ 88, 8.059, 287.471

■ 95, 3.139, 106.368

■ 100, 10.421,
109.389

Harmonies

Complementary

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



52, 70.966, 296.091



88, 61.419, 100.724

Rectangle

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



52, 70.966, 296.091



52, 70.966, 346.091



52, 70.966, 116.091



52, 70.966, 166.091

Sweetspot

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



52, 70.966, 296.092



87, 20.877, 288.690



86, 39.542, 188.193



45, 14.017, 288.964



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, 70.966, 296.092



48, 93.632, 299.104



54, 77.534, 309.548



45, 6.431, 287.736



23, 99.654, 305.245



3, 33.714, 296.214

Inverse Universe

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



60, 56.467, 21.029



60, 73.698, 24.816



87, 69.717, 123.420



46, 4.924, 13.360



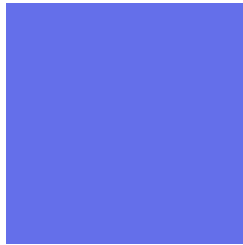
38, 77.452, 36.683



7, 28.214, 19.393

Previews

White Background



This preview shows how the CIELCh color 52, 70.966, 296.091 looks on a white background.

Color Contrast Check

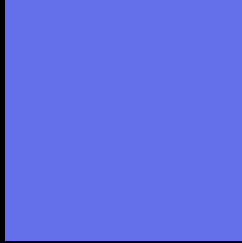
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 70.966, 296.091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

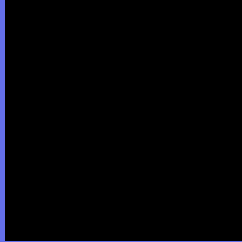
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 70.966, 296.091

Background



This preview shows how black text looks on a background with the CIELCh color 52, 70.966, 296.091.



This preview shows how white text looks on a background with the CIELCh color 52, 70.966, 296.091.

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, 22.312, 214.227

Trichromacy



Original Color
52, 70.966, 296.091

Protanomaly
52, 71.770, 290.286

Deuteranomaly
51, 61.739, 282.725

Tritanomaly
52, 32.446, 268.731

Monochromacy



Original Color
52, 70.966, 296.091

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 26.262, 290.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 70.966, 296.091 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(100, 111, 234)` looks like.

```
.text, #text, p{  
    color:rgb(100, 111, 234)  
}
```

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(100, 111, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 111, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 70.966, 296.091 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(100, 111, 234) }
```

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

```
.border{ border-color:rgb(100, 111, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 111, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 111, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 111, 234);  
box-shadow:4px 4px 4px 4px rgb(100, 111,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 70.966, 296.091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 111, 234) }
```

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

```
.background{ background-color: rgb(100,  
111, 234) }
```

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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