

Converting Colors

CIELCh(52, 84.724, 299.414)

Have a look what the booklet for
CIELCh(52, 84.724, 299.414)
contains.

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Color

CIELCh(52, 84.929, 299.417)

Conversions

Conversions Part 1

Format	Color
Hex	6969FD
RGB	105, 105, 253
RGB Percent	41%, 41%, 99%
CMY	0.5890, 0.5888, 0.0085
CMYK	0.59, 0.59, 0.00, 0.01
HSL	240°, 97%, 70%
HSV	240°, 59%, 99%
XYZ	28.5399, 20.1443, 95.1639
YIQ	121.8720, -47.5080, 46.0280

Conversions

Conversions Part 2

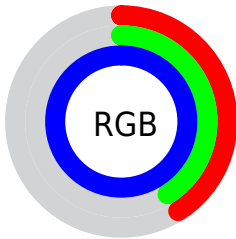
Format	Color
R _Y B	105, 105, 253
Decimal	6908413
CIE Lab	52.00, 41.71, -73.98
CIE LCh	52, 84.929, 299.417
Yxy	20.1443, 0.1984, 0.1400
Android (android.graphics.Color)	4285098493 (0xFF6969FD)
YUV	121.8720, 64.6461, -14.7967
Hunter-Lab	44.8824, 34.9605, -94.2945

Details

The CIELCh color **52, 84.929, 299.417** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 71.250, 104.681**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 53.976, 298.400**, and **32, 84.515, 299.279** is the 20% darker color. If you saturate the color by 10%, you get **45, 100.708, 301.661**, and if you desaturate by 10%, it is **60, 69.086, 297.274**.

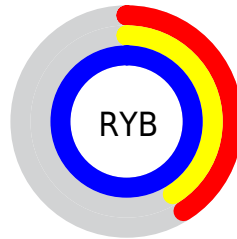
Distribution



Red (41%)

Green (41%)

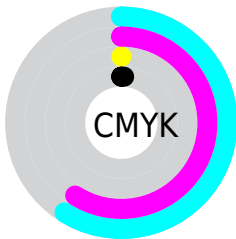
Blue (99%)



Red (41%)

Yellow (41%)

Blue (99%)

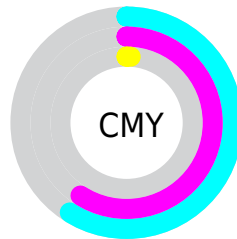


Cyan (59%)

Magenta (59%)

Yellow (0%)

Black (1%)



Cyan (59%)


Magenta (59%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 84.929, 299.417 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, 84.929, 299.417 by changing the saturation by 10% instead.


 52, 84.929,
299.417

 52, 84.929,
299.417

 100, 84.929,
299.417

 42, 84.929,
299.417


 72, 84.929,
299.417

 32, 84.929,
299.417

 82, 84.929,
299.417

 22, 84.929,
299.417

 92, 84.929,
299.417

 12, 84.929,
299.417

 2, 84.929, 299.417

 0, 84.929, 299.417

■ 52, 84.929,
299.417

■ 52, 84.929,
299.417

■ 45, 100.708,
301.661

■ 60, 69.086,
297.274

■ 39, 115.213,
303.757

■ 68, 53.694,
295.350

■ 34, 126.362,
305.356

■ 76, 38.910,
293.681

■ 32, 132.302,
306.196

■ 84, 24.748,
292.258

■ 32, 132.937,
306.285

■ 92, 11.175,
291.056

100, 1.093,
110.025

Harmonies

Complementary

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



52, 84.929, 299.417



97, 71.250, 104.681

Rectangle

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



52, 84.929, 299.417



52, 84.929, 349.417



52, 84.929, 119.417



52, 84.929, 169.417

Sweetspot

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



52, 84.929, 299.418



85, 24.162, 292.188



92, 41.136, 195.080



43, 16.892, 292.575



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, 84.929, 299.418



44, 103.659, 301.989



58, 84.565, 311.562



49, 7.502, 291.163



23, 107.768, 306.284



3, 44.118, 301.754

Inverse Universe

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



63, 63.529, 27.258



59, 77.866, 30.706



92, 77.029, 125.861



49, 5.254, 19.920



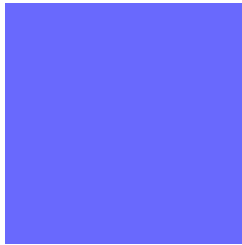
40, 84.216, 39.989



10, 33.365, 27.165

Previews

White Background



This preview shows how the CIELCh color 52, 84.929, 299.417 looks on a white background.

Color Contrast Check

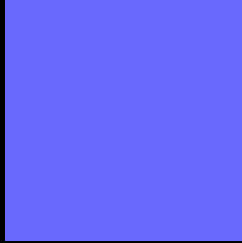
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.929, 299.417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

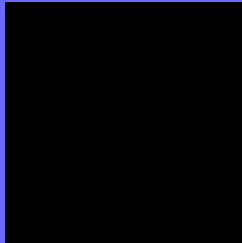
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 84.929, 299.417

Background



This preview shows how black text looks on a background with the CIELCh color 52, 84.929, 299.417.

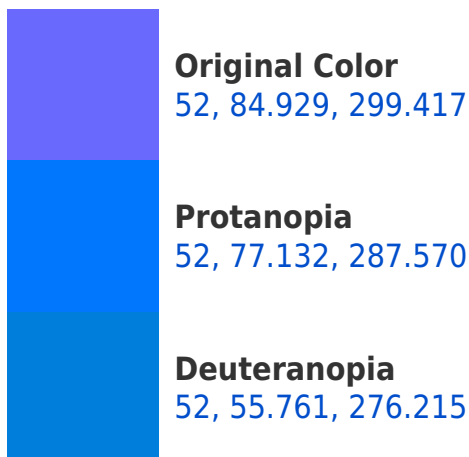



This preview shows how white text looks on a background with the CIELCh color 52, 84.929, 299.417.

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, 23.553, 213.213

Trichromacy



Original Color
52, 84.929, 299.417



Protanomaly
51, 79.921, 290.432



Deuteranomaly
51, 66.159, 285.302



Tritanomaly
51, 37.065, 274.054

Monochromacy



Original Color
52, 84.929, 299.417



Achromatopsia
51, 0.007, 296.813



Achromatomaly
51, 31.535, 294.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 84.929, 299.417 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(105, 105, 253)` looks like.

```
.text, #text, p{  
    color:rgb(105, 105, 253)  
}
```

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(105, 105, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 105, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 84.929, 299.417 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(105, 105, 253) }
```

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

```
.border{ border-color:rgb(105, 105, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 105, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 105, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 105, 253);  
box-shadow:4px 4px 4px 4px rgb(105, 105,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 84.929, 299.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 105, 253) }
```

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

```
.background{ background-color: rgb(105,  
105, 253) }
```

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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