

Converting Colors

CIELCh(52, 85.616, 299.489)

Have a look what the booklet for
CIELCh(52, 85.616, 299.489)
contains.

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Color

CIELCh(52, 85.464, 299.456)

Conversions

Conversions Part 1

Format	Color
Hex	6969FE
RGB	105, 105, 254
RGB Percent	41%, 41%, 100%
CMY	0.5899, 0.5895, 0.0054
CMYK	0.59, 0.59, 0.00, 0.01
HSL	240°, 98%, 70%
HSV	240°, 59%, 99%
XYZ	28.6201, 20.1443, 95.8185
YIQ	121.9860, -47.8290, 46.3390

Conversions

Conversions Part 2

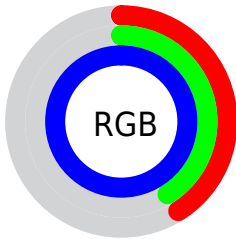
Format	Color
R _Y B	105, 105, 254
Decimal	6908414
CIE Lab	52.00, 42.03, -74.42
CIE LCh	52, 85.464, 299.456
Yxy	20.1443, 0.1979, 0.1393
Android (android.graphics.Color)	4285098494 (0xFF6969FE)
YUV	121.9860, 65.0829, -14.8967
Hunter-Lab	44.8824, 35.2796, -95.1592

Details

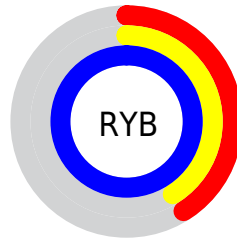
The CIELCh color **52, 85.464, 299.456** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 71.635, 104.646**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 53.989, 298.711**, and **32, 85.073, 299.312** is the 20% darker color. If you saturate the color by 10%, you get **45, 101.267, 301.701**, and if you desaturate by 10%, it is **60, 69.581, 297.308**.

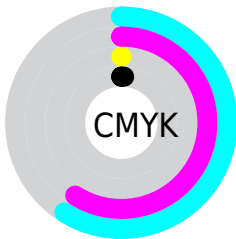
Distribution



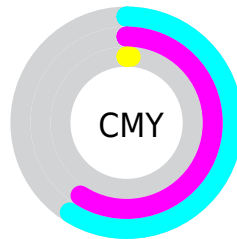
- Red (41%)
- Green (41%)
- Blue (100%)



- Red (41%)
- Yellow (41%)
- Blue (100%)



- 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, 85.464, 299.456 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, 85.464, 299.456 by changing the saturation by 10% instead.


 52, 85.464,
299.456


 52, 85.464,
299.456


 100, 85.464,
299.456


 42, 85.464,
299.456


 72, 85.464,
299.456

 32, 85.464,
299.456

 82, 85.464,
299.456

 22, 85.464,
299.456

 92, 85.464,
299.456

 12, 85.464,
299.456

 2, 85.464, 299.456

 0, 85.464, 299.456

■ 52, 85.464,
299.456

■ 52, 85.464,
299.456

■ 45, 101.267,
301.701

■ 60, 69.581,
297.308

■ 39, 115.758,
303.793

■ 68, 54.143,
295.378

■ 34, 126.838,
305.380

■ 76, 39.314,
293.702

■ 32, 132.698,
306.207

■ 84, 25.108,
292.273

■ 32, 133.237,
306.282

■ 92, 11.494,
291.066

100, 0.693,
110.014

Harmonies

Complementary

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



52, 85.464, 299.456



97, 71.635, 104.646

Rectangle

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



52, 85.464, 299.456



52, 85.464, 349.456



52, 85.464, 119.456



52, 85.464, 169.456

Sweetspot

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



52, 85.464, 299.457



85, 24.152, 292.174



92, 41.335, 195.071



43, 16.885, 292.561



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, 85.464, 299.457



44, 105.146, 302.198



58, 85.092, 311.573



49, 7.499, 291.148



23, 107.751, 306.280



3, 44.106, 301.748

Inverse Universe

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



63, 63.950, 27.293



59, 79.032, 31.019



92, 77.477, 125.855



49, 5.254, 19.890



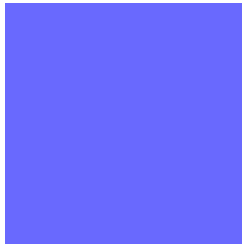
40, 84.199, 39.974



10, 33.362, 27.150

Previews

White Background



This preview shows how the CIELCh color 52, 85.464, 299.456 looks on a white background.

Color Contrast Check

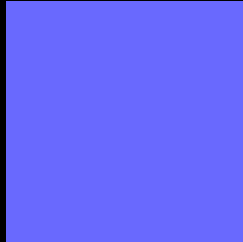
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.464, 299.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

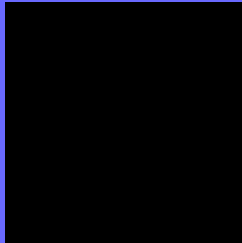
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 85.464, 299.456

Background



This preview shows how black text looks on a background with the CIELCh color 52, 85.464, 299.456.



This preview shows how white text looks on a background with the CIELCh color 52, 85.464, 299.456.

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, 23.749, 213.062

Trichromacy



Original Color
52, 85.464, 299.456



Protanomaly
51, 80.460, 290.573



Deuteranomaly
51, 66.159, 285.302



Tritanomaly
51, 37.128, 273.730

Monochromacy



Original Color
52, 85.464, 299.456



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, 85.464, 299.456 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(105, 105, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 105, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 85.464, 299.456 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, 254) }
```

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

```
.border{ border-color:rgb(105, 105, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 105, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 105, 254);  
box-shadow:4px 4px 4px 4px rgb(105, 105,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 85.464, 299.456 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, 254) }
```

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

```
.background{ background-color: rgb(105,  
105, 254) }
```

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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