

Converting Colors

CIELCh(52, 85.981, 299.628)

Have a look what the booklet for
CIELCh(52, 85.981, 299.628)
contains.

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Color

CIELCh(52, 86.076, 299.676)

Conversions

Conversions Part 1

Format	Color
Hex	6968FE
RGB	105, 104, 254
RGB Percent	41%, 41%, 100%
CMY	0.5870, 0.5912, 0.0028
CMYK	0.59, 0.59, 0.00, 0.00
HSL	240°, 99%, 70%
HSV	240°, 59%, 100%
XYZ	28.7711, 20.1443, 96.3742
YIQ	121.3990, -47.5540, 46.8620

Conversions

Conversions Part 2

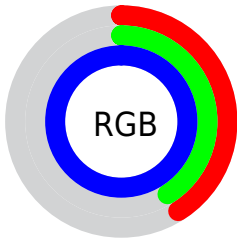
Format	Color
R _Y B	105, 104, 254
Decimal	6908158
CIE Lab	52.00, 42.62, -74.79
CIE LCh	52, 86.076, 299.676
Yxy	20.1443, 0.1980, 0.1386
Android (android.graphics.Color)	4285098238 (0xFF6968FE)
YUV	121.3990, 65.3723, -14.3819
Hunter-Lab	44.8824, 35.8802, -95.8933

Details

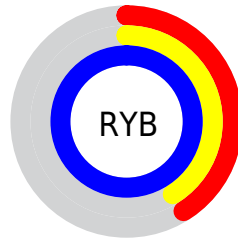
The CIELCh color **52, 86.076, 299.676** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **97, 72.075, 105.011**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 55.204, 299.361**, and **32, 85.698, 299.550** is the 20% darker color. If you saturate the color by 10%, you get **45, 101.886, 301.879**, and if you desaturate by 10%, it is **60, 70.155, 297.562**.

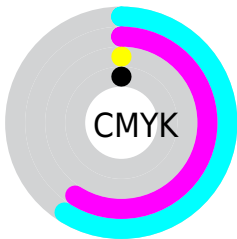
Distribution



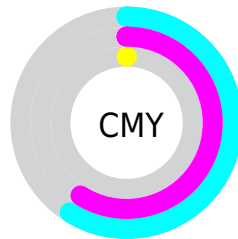
- Red (41%)
- Green (41%)
- Blue (100%)



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



- Cyan (59%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (59%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 86.076, 299.676 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, 86.076, 299.676 by changing the saturation by 10% instead.


 52, 86.076,
299.676


 52, 86.076,
299.676


 100, 86.076,
299.676


 42, 86.076,
299.676


 72, 86.076,
299.676

 32, 86.076,
299.676

 82, 86.076,
299.676

 22, 86.076,
299.676

 92, 86.076,
299.676

 12, 86.076,
299.676

 2, 86.076, 299.676

 0, 86.076, 299.676

■ 52, 86.076,
299.676

■ 52, 86.076,
299.676

■ 45, 101.886,
301.879

■ 60, 70.155,
297.562

■ 39, 116.331,
303.920

■ 68, 54.666,
295.657

■ 35, 127.304,
305.452

■ 76, 39.780,
294.001

■ 32, 133.066,
306.241

■ 84, 25.518,
292.587

■ 32, 133.499,
306.301

■ 92, 11.851,
291.390

100, 0.353,
109.932

Harmonies

Complementary

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



52, 86.076, 299.676



97, 72.075, 105.011

Rectangle

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



52, 86.076, 299.676



52, 86.076, 349.676



52, 86.076, 119.676



52, 86.076, 169.676

Sweetspot

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



52, 86.076, 299.677



85, 24.171, 292.457



92, 41.227, 196.895



43, 16.898, 292.839



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, 86.076, 299.677



44, 105.170, 302.311



59, 85.650, 312.070



49, 7.504, 291.445



23, 107.745, 306.308



3, 44.145, 301.907

Inverse Universe

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



68, 88.624, 327.648



64, 101.354, 328.053



92, 78.283, 126.443



50, 9.013, 325.140



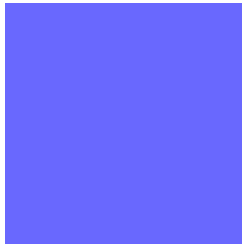
45, 92.558, 328.521



12, 42.610, 328.486

Previews

White Background



This preview shows how the CIELCh color 52, 86.076, 299.676 looks on a white background.

Color Contrast Check

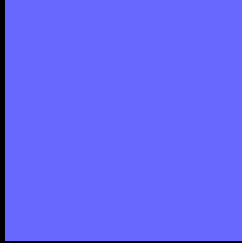
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.076, 299.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

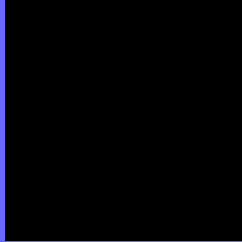
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 86.076, 299.676

Background



This preview shows how black text looks on a background with the CIELCh color 52, 86.076, 299.676.




This preview shows how white text looks on a background with the CIELCh color 52, 86.076, 299.676.

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, 86.076, 299.676



Protanomaly
51, 80.460, 290.573



Deuteranomaly
51, 66.159, 285.302



Tritanomaly
51, 37.587, 274.507

Monochromacy



Original Color
52, 86.076, 299.676



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, 86.076, 299.676 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, 104, 254)` looks like.

```
.text, #text, p{  
    color:rgb(105, 104, 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, 104, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 104, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 86.076, 299.676 is called "border". The border property can be set on classes, ids or directly on the HTML element.

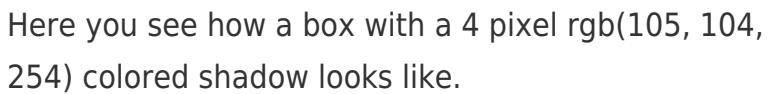
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 104, 254) }
```

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

```
.border{ border-color:rgb(105, 104, 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, 104, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 104, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 104, 254);  
box-shadow:4px 4px 4px 4px rgb(105, 104,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 86.076, 299.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 104, 254) }
```

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

```
.background{ background-color: rgb(105,  
104, 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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