

Converting Colors

CIELCh(52, 69.724, 297.985)

Have a look what the booklet for
CIELCh(52, 69.724, 297.985)
contains.

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Color

CIELCh(52, 69.810, 298.030)

Conversions

Conversions Part 1

Format	Color
Hex	6E6EE7
RGB	110, 110, 231
RGB Percent	43%, 43%, 91%
CMY	0.5698, 0.5696, 0.0953
CMYK	0.52, 0.52, 0.00, 0.10
HSL	240°, 71%, 67%
HSV	240°, 52%, 90%
XYZ	26.3220, 20.1443, 77.8807
YIQ	123.7940, -38.8410, 37.6310

Conversions

Conversions Part 2

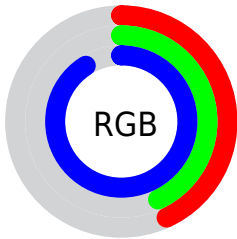
Format	Color
R _Y B	110, 110, 231
Decimal	7237351
CIE Lab	52.00, 32.81, -61.62
CIE LCh	52, 69.810, 298.030
Yxy	20.1443, 0.2117, 0.1620
Android (android.graphics.Color)	4285427431 (0xFF6E6EE7)
YUV	123.7940, 52.8526, -12.0973
Hunter-Lab	44.8824, 26.1400, -71.4633

Details

The CIELCh color `52, 69.810, 298.030` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `89, 60.123, 105.197`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `71, 50.986, 297.293`, and `32, 69.809, 298.070` is the 20% darker color. If you saturate the color by 10%, you get `45, 84.578, 300.219`, and if you desaturate by 10%, it is `59, 55.338, 296.029`.

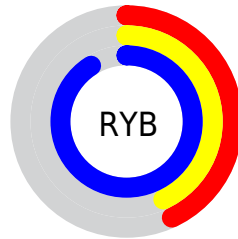
Distribution



Red (43%)

Green (43%)

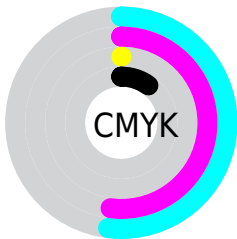
Blue (91%)



Red (43%)

Yellow (43%)

Blue (91%)

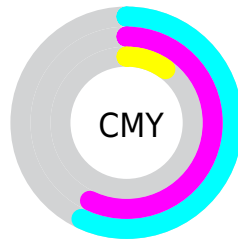


Cyan (52%)

Magenta (52%)

Yellow (0%)

Black (10%)



Cyan (57%)

Magenta (57%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 69.810, 298.030 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, 69.810, 298.030 by changing the saturation by 10% instead.

■ 52, 69.810,
298.030

■ 52, 69.810,
298.030

■ 100, 69.810,
298.030

■ 42, 69.810,
298.030

■ 72, 69.810,
298.030

■ 32, 69.810,
298.030

■ 82, 69.810,
298.030

■ 22, 69.810,
298.030

■ 92, 69.810,
298.030

■ 12, 69.810,
298.030

■ 2, 69.810, 298.030

■ 0, 69.810, 298.030

■ 52, 69.810,
298.030

■ 52, 69.810,
298.030

■ 45, 84.578,
300.219

■ 59, 55.338,
296.029

■ 39, 98.979,
302.434

■ 67, 41.397,
294.273

■ 33, 111.603,
304.389

■ 75, 28.035,
292.767

■ 30, 120.376,
305.731

■ 82, 15.231,
291.490

■ 29, 124.041,
306.284

■ 90, 2.946, 290.427

■ 97, 8.860, 109.477

■ 99, 12.298,
109.248

Harmonies

Complementary

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



52, 69.810, 298.030



89, 60.123, 105.197

Rectangle

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



52, 69.810, 298.030



52, 69.810, 348.030



52, 69.810, 118.030



52, 69.810, 168.030

Sweetspot

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



52, 69.810, 298.031



87, 21.386, 291.930



85, 35.543, 195.331



45, 14.501, 292.193



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, 69.810, 298.031



49, 92.656, 300.420



57, 70.365, 311.241



44, 6.878, 291.148



21, 102.374, 306.283



2, 33.669, 296.769

Inverse Universe

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



61, 52.049, 25.697



62, 69.428, 28.500



85, 64.821, 126.060



45, 4.817, 19.905



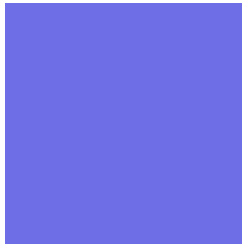
37, 79.968, 39.957



6, 27.104, 21.743

Previews

White Background



This preview shows how the CIELCh color 52, 69.810, 298.030 looks on a white background.

Color Contrast Check

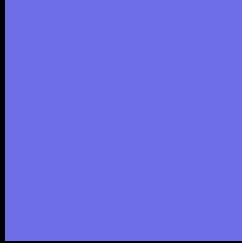
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.810, 298.030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

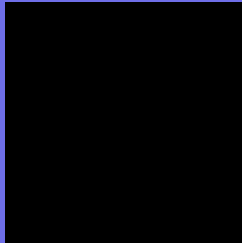
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 69.810, 298.030

Background



This preview shows how black text looks on a background with the CIELCh color 52, 69.810, 298.030.



This preview shows how white text looks on a background with the CIELCh color 52, 69.810, 298.030.

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, 69.810, 298.030

Protanopia
52, 70.770, 287.788

Deuteranopia
52, 57.290, 277.229



Tritanopia
52, 18.172, 216.604

Trichromacy



Original Color
52, 69.810, 298.030

Protanomaly
52, 70.018, 290.572

Deuteranomaly
51, 61.729, 283.196

Tritanomaly
51, 30.269, 274.305

Monochromacy



Original Color
52, 69.810, 298.030

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 25.633, 293.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 69.810, 298.030 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(110, 110, 231)` looks like.

```
.text, #text, p{  
    color:rgb(110, 110, 231)  
}
```

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(110, 110, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 110, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 69.810, 298.030 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(110, 110, 231) }
```

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

```
.border{ border-color:rgb(110, 110, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 110, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 110, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 110, 231);  
box-shadow:4px 4px 4px 4px rgb(110, 110,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 69.810, 298.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 110, 231) }
```

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

```
.background{ background-color: rgb(110,  
110, 231) }
```

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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