

Converting Colors

CIELCh(52, 27.600, 280.829)

Have a look what the booklet for
CIELCh(52, 27.600, 280.829)
contains.

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Color

CIELCh(52, 27.681, 281.372)

Conversions

Conversions Part 1

Format	Color
Hex	697BAA
RGB	105, 123, 170
RGB Percent	41%, 48%, 67%
CMY	0.5874, 0.5168, 0.3325
CMYK	0.38, 0.28, 0.00, 0.33
HSL	223°, 28%, 54%
HSV	223°, 38%, 67%
XYZ	20.2362, 20.1443, 40.9620
YIQ	122.9760, -25.8150, 10.8010

Conversions

Conversions Part 2

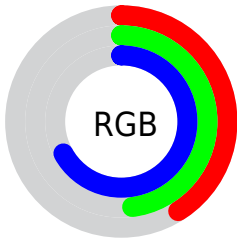
Format	Color
RYB	105, 119, 170
Decimal	6912938
CIELab	52.00, 5.46, -27.14
CIELCh	52, 27.681, 281.372
Yxy	20.1443, 0.2488, 0.2476
Android (android.graphics.Color)	4285103018 (0xFF697BAA)
YUV	122.9760, 23.1828, -15.7650
Hunter-Lab	44.8824, 1.9365, -22.6934

Details

The CIELCh color `52, 27.681, 281.372` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `63, 27.175, 90.654`, and the grayscale version is `52, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 27.604, 281.370`, and `32, 27.636, 281.119` is the 20% darker color. If you saturate the color by 10%, you get `47, 35.362, 283.598`, and if you desaturate by 10%, it is `57, 20.196, 279.457`.

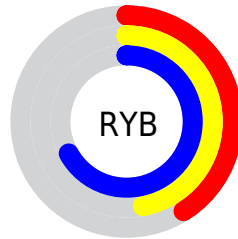
Distribution



Red (41%)

Green (48%)

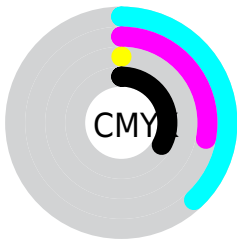
Blue (67%)



Red (41%)

Yellow (47%)

Blue (67%)

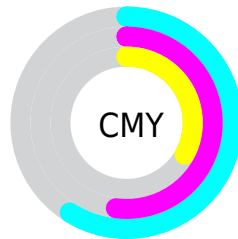


Cyan (38%)

Magenta (28%)

Yellow (0%)

Black (33%)



Cyan (59%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 27.681, 281.372 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, 27.681, 281.372 by changing the saturation by 10% instead.

■ 52, 27.681,
281.372

■ 52, 27.681,
281.372

■ 100, 27.681,
281.372

■ 42, 27.681,
281.372

■ 72, 27.681,
281.372

■ 32, 27.681,
281.372

■ 82, 27.681,
281.372

■ 22, 27.681,
281.372

■ 92, 27.681,
281.372

■ 12, 27.681,
281.372

■ 2, 27.681, 281.372

■ 0, 27.681, 281.372

■ 52, 27.681,
281.372

■ 52, 27.681,
281.372

■ 47, 35.362,
283.598

■ 57, 20.196,
279.457

■ 43, 43.267,
286.162

■ 61, 12.888,
277.818

■ 39, 51.417,
289.058

■ 66, 5.744, 276.424

■ 34, 59.799,
292.230

■ 71, 1.247, 95.032

■ 31, 68.307,
295.543

■ 75, 8.089, 94.102

■ 27, 76.665,
298.740

■ 80, 14.787, 93.196

■ 27, 78.138,
299.255

■ 84, 21.344, 92.396

■ 89, 27.764, 91.690

■ 93, 33.667, 93.280

Harmonies

Complementary

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



52, 27.681, 281.372



63, 27.175, 90.654

Rectangle

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



52, 27.681, 281.372



52, 27.681, 331.372



52, 27.681, 101.372



52, 27.681, 151.372

Sweetspot

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



52, 27.680, 281.372



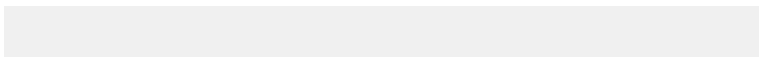
82, 9.598, 276.818



65, 25.287, 173.308



43, 6.510, 276.996



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52, 27.680, 281.372



62, 41.800, 283.276



48, 38.698, 301.819



33, 3.937, 276.563



23, 69.656, 298.873



2, 7.428, 278.011

Inverse Universe

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



52, 28.454, 2.095



63, 42.780, 3.618



67, 35.501, 116.142



33, 3.975, 358.394



31, 58.727, 22.072



1, 6.984, 0.378

Previews

White Background



This preview shows how the CIELCh color 52, 27.681, 281.372 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, 27.681, 281.372 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

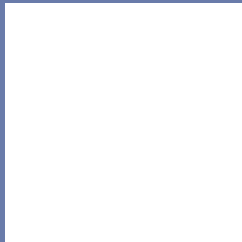
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 27.681, 281.372

Background



This preview shows how black text looks on a background with the CIELCh color 52, 27.681, 281.372.

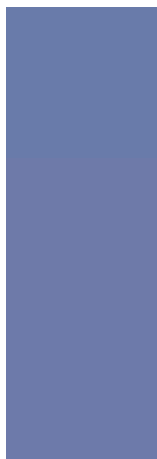


This preview shows how white text looks on a background with the CIELCh color 52, 27.681, 281.372.

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, 27.681, 281.372

Protanopia

52, 27.450, 285.253

Deuteranopia

52, 28.054, 284.881



Tritanopia
52, 12.353, 226.647

Trichromacy



Original Color
52, 27.681, 281.372

Protanomaly
52, 27.528, 283.951

Deuteranomaly
52, 28.094, 284.248

Tritanomaly
52, 15.810, 257.006

Monochromacy



Original Color
52, 27.681, 281.372

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 10.085, 278.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 27.681, 281.372 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, 123, 170)` looks like.

```
.text, #text, p{  
    color:rgb(105, 123, 170)  
}
```

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, 123, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 123, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 27.681, 281.372 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, 123, 170) }
```

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

```
.border{ border-color:rgb(105, 123, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 123, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 123, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 123, 170);  
box-shadow:4px 4px 4px 4px rgb(105, 123,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 27.681, 281.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 123, 170) }
```

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

```
.background{ background-color: rgb(105,  
123, 170) }
```

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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