

Converting Colors

CIELCh(52, 28.490, 278.134)

Have a look what the booklet for
CIELCh(52, 28.490, 278.134)
contains.

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Color

CIELCh(52, 28.553, 278.139)

Conversions

Conversions Part 1

Format	Color
Hex	647CAC
RGB	100, 124, 172
RGB Percent	39%, 49%, 67%
CMY	0.6074, 0.5133, 0.3250
CMYK	0.42, 0.28, 0.00, 0.32
HSL	220°, 30%, 53%
HSV	220°, 42%, 68%
XYZ	19.9497, 20.1443, 41.9295
YIQ	122.2960, -29.7120, 9.8400

Conversions

Conversions Part 2

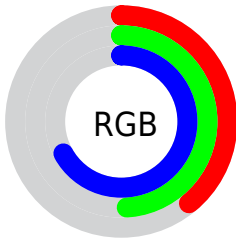
Format	Color
R_{YB}	100, 118, 172
Decimal	6585516
CIE _{Lab}	52.00, 4.04, -28.27
CIE _{LCh}	52, 28.553, 278.139
Yxy	20.1443, 0.2432, 0.2456
Android (android.graphics.Color)	4284775596 (0xFF647CAC)
YUV	122.2960, 24.5041, -19.5536
Hunter-Lab	44.8824, 0.7970, -23.9715

Details

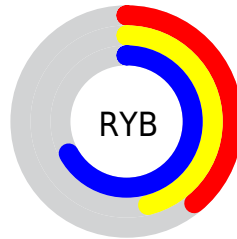
The CIELCh color `52, 28.553, 278.139` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `62, 28.750, 85.735`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 28.974, 278.355`, and `32, 28.553, 278.535` is the 20% darker color. If you saturate the color by 10%, you get `48, 35.691, 280.583`, and if you desaturate by 10%, it is `56, 21.549, 276.037`.

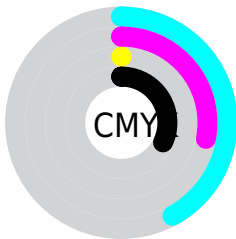
Distribution



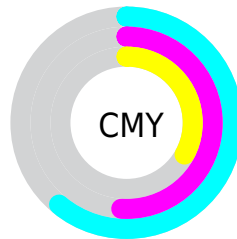
- Red (39%)
- Green (49%)
- Blue (67%)



- Red (39%)
- Yellow (46%)
- Blue (67%)



- Cyan (42%)
- Magenta (28%)
- Yellow (0%)
- Black (32%)





- Cyan (61%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 28.553, 278.139 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, 28.553, 278.139 by changing the saturation by 10% instead.


 52, 28.553,
278.139


 52, 28.553,
278.139


 100, 28.553,
278.139


 42, 28.553,
278.139


 72, 28.553,
278.139

 32, 28.553,
278.139

 82, 28.553,
278.139

 22, 28.553,
278.139

 92, 28.553,
278.139

 12, 28.553,
278.139

 2, 28.553, 278.139

 0, 28.553, 278.139

■ 52, 28.553,
278.139

■ 52, 28.553,
278.139

■ 48, 35.691,
280.583

■ 56, 21.549,
276.037

■ 43, 42.993,
283.393

■ 61, 14.664,
274.239

■ 39, 50.490,
286.560

■ 65, 7.888, 272.707

■ 36, 58.194,
290.015

■ 70, 1.218, 271.529

■ 74, 5.348, 90.165

■ 32, 66.046,
293.614

■ 78, 11.808, 89.191

■ 29, 72.469,
296.412

■ 83, 18.161, 88.326

■ 87, 24.406, 87.563

■ 91, 30.536, 86.911

Harmonies

Complementary

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



52, 28.553, 278.139



62, 28.750, 85.735

Rectangle

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



52, 28.553, 278.139



52, 28.553, 328.139



52, 28.553, 98.139



52, 28.553, 148.139

Sweetspot

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



52, 28.552, 278.139



82, 10.766, 272.906



65, 28.808, 169.388



42, 7.535, 273.222



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, 28.552, 278.139



62, 42.682, 280.339



46, 42.965, 300.684



34, 3.791, 272.360



25, 64.887, 296.005



2, 8.503, 275.738

Inverse Universe

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



51, 32.101, 358.654



61, 47.581, 0.290



68, 38.847, 113.739



34, 4.192, 354.499



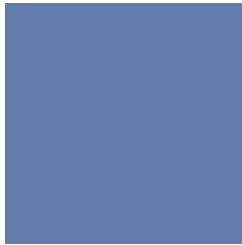
31, 58.078, 17.059



2, 8.428, 357.939

Previews

White Background



This preview shows how the CIELCh color 52, 28.553, 278.139 looks on a white background.

Color Contrast Check

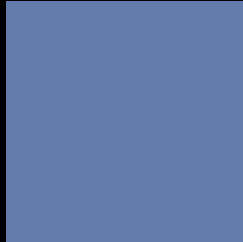
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.553, 278.139 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

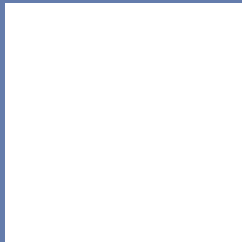
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 28.553, 278.139

Background



This preview shows how black text looks on a background with the CIELCh color 52, 28.553, 278.139.



This preview shows how white text looks on a background with the CIELCh color 52, 28.553, 278.139.

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, 28.553, 278.139

Protanopia

52, 28.054, 284.881

Deuteranopia

52, 29.830, 284.502



Tritanopia
52, 14.528, 224.501

Trichromacy



Original Color
52, 28.553, 278.139

Protanomaly
52, 28.190, 282.341

Deuteranomaly
52, 29.408, 281.832

Tritanomaly
52, 17.470, 252.065

Monochromacy



Original Color
52, 28.553, 278.139

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 10.357, 272.634

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 28.553, 278.139 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(100, 124, 172)` looks like.

```
.text, #text, p{  
    color:rgb(100, 124, 172)  
}
```

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(100, 124, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 124, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 28.553, 278.139 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(100, 124, 172) }
```

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

```
.border{ border-color:rgb(100, 124, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 124, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 124, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 124, 172);  
box-shadow:4px 4px 4px 4px rgb(100, 124,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 28.553, 278.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 124, 172) }
```

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

```
.background{ background-color: rgb(100,  
124, 172) }
```

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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