

Converting Colors

CIELCh(52, 20.393, 268.647)

Have a look what the booklet for
CIELCh(52, 20.393, 268.647)
contains.

CIELCh(52, 20.575, 268.496)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(52, 20.575, 268.496)

Conversions

Conversions Part 1

Format	Color
Hex	657E9F
RGB	101, 126, 159
RGB Percent	40%, 49%, 62%
CMY	0.6044, 0.5064, 0.3770
CMYK	0.37, 0.21, 0.00, 0.38
HSL	214°, 23%, 51%
HSV	214°, 37%, 62%
XYZ	19.0409, 20.1443, 35.6210
YIQ	122.2870, -25.4930, 4.9630

Conversions

Conversions Part 2

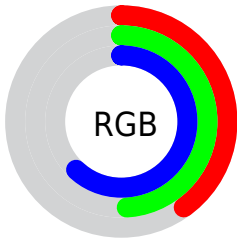
Format	Color
R_{YB}	101, 118, 159
Decimal	6651551
CIE _{Lab}	52.00, -0.54, -20.57
CIE _{LCh}	52, 20.575, 268.496
Yxy	20.1443, 0.2545, 0.2693
Android (android.graphics.Color)	4284841631 (0xFF657E9F)
YUV	122.2870, 18.0995, -18.6687
Hunter-Lab	44.8824, -2.8173, -15.6378

Details

The CIELCh color `52, 20.575, 268.496` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `57, 21.811, 77.802`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `72, 20.474, 268.269`, and `32, 20.412, 268.563` is the 20% darker color. If you saturate the color by 10%, you get `48, 26.204, 270.841`, and if you desaturate by 10%, it is `56, 14.938, 266.498`.

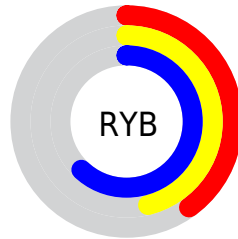
Distribution



Red (40%)

Green (49%)

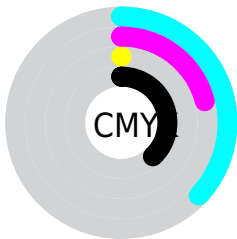
Blue (62%)



Red (40%)

Yellow (46%)

Blue (62%)

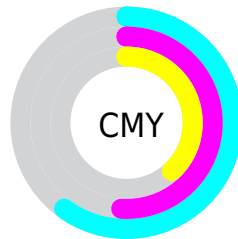


Cyan (37%)

Magenta (21%)

Yellow (0%)

Black (38%)



Cyan (60%)

Magenta (51%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 20.575, 268.496 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, 20.575, 268.496 by changing the saturation by 10% instead.

■ 52, 20.575,
268.496

■ 52, 20.575,
268.496

■ 100, 20.575,
268.496

■ 42, 20.575,
268.496

■ 72, 20.575,
268.496

■ 32, 20.575,
268.496

■ 82, 20.575,
268.496

■ 22, 20.575,
268.496

■ 92, 20.575,
268.496

■ 12, 20.575,
268.496

■ 2, 20.575, 268.496

■ 0, 20.575, 268.496

■ 52, 20.575,
268.496

■ 52, 20.575,
268.496

■ 48, 26.204,
270.841

■ 56, 14.938,
266.498

■ 45, 31.838,
273.582

■ 59, 9.299, 264.805

■ 41, 37.501,
276.744

■ 63, 3.665, 263.395

■ 67, 1.955, 81.941

■ 38, 43.235,
280.315

■ 70, 7.548, 80.966

■ 35, 49.092,
284.224

■ 74, 13.104, 80.048

■ 78, 18.615, 79.238

■ 32, 55.108,
288.286

■ 82, 24.074, 78.523

■ 31, 57.261,
289.607

■ 85, 29.474, 77.888

Harmonies

Complementary

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



52, 20.575, 268.496



57, 21.811, 77.802

Rectangle

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



52, 20.575, 268.496



52, 20.575, 318.496



52, 20.575, 88.496



52, 20.575, 138.496

Sweetspot

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



52, 20.574, 268.495



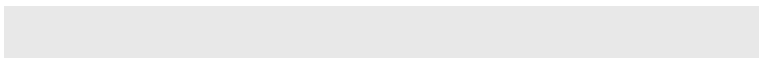
78, 7.673, 264.021



61, 25.767, 163.851



41, 5.197, 264.201



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



52, 20.574, 268.495



63, 30.704, 270.424



45, 34.648, 296.866



32, 3.172, 263.750



28, 52.459, 289.198



2, 4.236, 264.606

Inverse Universe

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



50, 27.342, 351.287



60, 40.765, 352.457



64, 31.691, 109.720



31, 4.112, 348.288



30, 54.830, 7.523



1, 5.235, 348.868

Previews

White Background



This preview shows how the CIELCh color 52, 20.575, 268.496 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, 20.575, 268.496 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

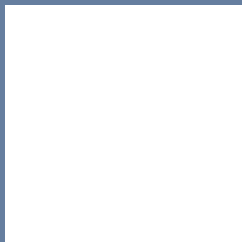
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 20.575, 268.496

Background



This preview shows how black text looks on a background with the CIELCh color 52, 20.575, 268.496.

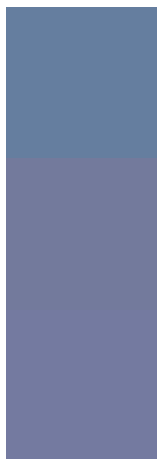


This preview shows how white text looks on a background with the CIELCh color 52, 20.575, 268.496.

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, 20.575, 268.496

Protanopia

52, 19.853, 285.540

Deuteranopia

52, 22.121, 287.520



Tritanopia
52, 13.140, 227.677

Trichromacy



Original Color
52, 20.575, 268.496

Protanomaly
52, 20.119, 279.749

Deuteranomaly
52, 21.803, 281.101

Tritanomaly
52, 14.878, 246.896

Monochromacy



Original Color
52, 20.575, 268.496

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 7.692, 264.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 20.575, 268.496 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(101, 126, 159)` looks like.

```
.text, #text, p{  
    color:rgb(101, 126, 159)  
}
```

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(101, 126, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 126, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 20.575, 268.496 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(101, 126, 159) }
```

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

```
.border{ border-color:rgb(101, 126, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 126, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 126, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 126, 159); box-shadow:4px 4px 4px 4px rgb(101, 126, 159) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 20.575, 268.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 126, 159) }
```

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

```
.background{ background-color: rgb(101,  
126, 159) }
```

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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