

Converting Colors

CIELCh(52, 18.316, 263.593)

Have a look what the booklet for
CIELCh(52, 18.316, 263.593)
contains.

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Color

CIELCh(52, 18.549, 264.945)

Conversions

Conversions Part 1

Format	Color
Hex	657E9B
RGB	101, 126, 155
RGB Percent	40%, 49%, 61%
CMY	0.6029, 0.5049, 0.3911
CMYK	0.35, 0.19, 0.00, 0.39
HSL	212°, 21%, 50%
HSV	212°, 35%, 61%
XYZ	18.8281, 20.1443, 34.0239
YIQ	121.8310, -24.2090, 3.7190

Conversions

Conversions Part 2

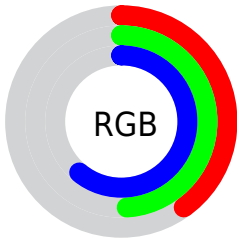
Format	Color
R_{YB}	101, 118, 155
Decimal	6651547
CIE _{Lab}	52.00, -1.63, -18.48
CIE _{LCh}	52, 18.549, 264.945
Yxy	20.1443, 0.2579, 0.2760
Android (android.graphics.Color)	4284841627 (0xFF657E9B)
YUV	121.8310, 16.3523, -18.2688
Hunter-Lab	44.8824, -3.6640, -13.5282

Details

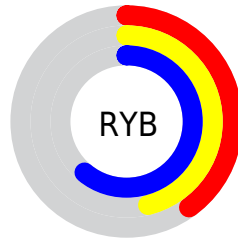
The CIELCh color $52, 18.549, 264.945$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $56, 19.959, 74.946$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 18.683, 264.234$, and $32, 18.793, 265.371$ is the 20% darker color. If you saturate the color by 10%, you get $49, 23.795, 267.234$, and if you desaturate by 10%, it is $55, 13.255, 263.003$.

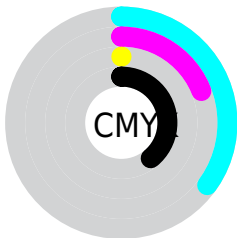
Distribution



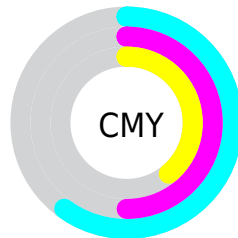
- Red (40%)
- Green (49%)
- Blue (61%)



- Red (40%)
- Yellow (46%)
- Blue (61%)



- Cyan (35%)
- Magenta (19%)
- Yellow (0%)
- Black (39%)



- Cyan (60%)
- Magenta (50%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 18.549, 264.945 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, 18.549, 264.945 by changing the saturation by 10% instead.

■ 52, 18.549,
264.945

■ 52, 18.549,
264.945

■ 100, 18.549,
264.945

■ 42, 18.549,
264.945

■ 72, 18.549,
264.945

■ 32, 18.549,
264.945

■ 82, 18.549,
264.945

■ 22, 18.549,
264.945

■ 92, 18.549,
264.945

■ 12, 18.549,
264.945

■ 2, 18.549, 264.945

■ 0, 18.549, 264.945

■ 52, 18.549,
264.945

■ 52, 18.549,
264.945

■ 49, 23.795,
267.234

■ 55, 13.255,
263.003

■ 45, 28.999,
269.926

■ 59, 7.925, 261.366

■ 62, 2.572, 260.034

■ 42, 34.177,
273.054

■ 66, 2.791, 78.623

■ 39, 39.367,
276.624

■ 69, 8.148, 77.654

■ 36, 44.626,
280.584

■ 73, 13.487, 76.772

■ 76, 18.798, 75.995

■ 33, 50.015,
284.797

■ 80, 24.070, 75.311

■ 32, 52.911,
286.878

■ 83, 29.298, 74.704

Harmonies

Complementary

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



52, 18.549, 264.945



56, 19.959, 74.946

Rectangle

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



52, 18.549, 264.945



52, 18.549, 314.945



52, 18.549, 84.945



52, 18.549, 134.945

Sweetspot

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



52, 18.548, 264.943



77, 6.634, 260.709



60, 24.805, 162.190



40, 4.561, 260.890



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



52, 18.548, 264.943



63, 27.610, 266.753



45, 32.269, 295.559



31, 2.997, 260.577



29, 48.676, 286.461



1, 3.267, 260.125

Inverse Universe

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



49, 25.998, 349.097



59, 38.770, 350.134



63, 29.653, 108.387



30, 4.083, 346.426



29, 54.155, 4.426



1, 4.338, 346.138

Previews

White Background



This preview shows how the CIELCh color 52, 18.549, 264.945 looks on a white background.

Color Contrast Check

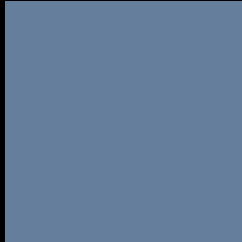
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18.549, 264.945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

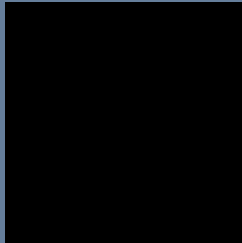
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

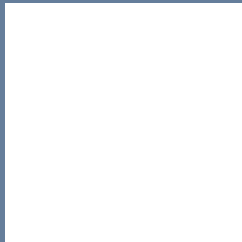
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 52, 18.549, 264.945

Background



This preview shows how black text looks on a background with the CIELCh color 52, 18.549, 264.945.



This preview shows how white text looks on a background with the CIELCh color 52, 18.549, 264.945.

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, 18.549, 264.945

Protanopia

52, 18.069, 286.772

Deuteranopia

52, 20.359, 290.716



Tritanopia
52, 12.642, 225.926

Trichromacy



Original Color
52, 18.549, 264.945

Protanomaly
52, 17.862, 277.576

Deuteranomaly
52, 19.383, 282.186

Tritanomaly
52, 13.911, 244.184

Monochromacy



Original Color
52, 18.549, 264.945

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 6.861, 257.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 18.549, 264.945 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(101, 126, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 126, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 18.549, 264.945 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, 155) }
```

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

```
.border{ border-color:rgb(101, 126, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 126, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 126, 155);  
box-shadow:4px 4px 4px 4px rgb(101, 126,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 18.549, 264.945 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, 155) }
```

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

```
.background{ background-color: rgb(101,  
126, 155) }
```

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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