

Converting Colors

CIELCh(52, 34.719, 252.163)

Have a look what the booklet for
CIELCh(52, 34.719, 252.163)
contains.

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Color

CIELCh(52, 34.719, 252.163)

Conversions

Conversions Part 1

Format	Color
Hex	2184B4
RGB	33, 132, 180
RGB Percent	13%, 52%, 71%
CMY	0.8700, 0.4821, 0.2938
CMYK	0.82, 0.27, 0.00, 0.29
HSL	200°, 69%, 42%
HSV	200°, 82%, 71%
XYZ	17.1372, 20.1443, 46.2033
YIQ	107.8710, -74.4120, -6.0600

Conversions

Conversions Part 2

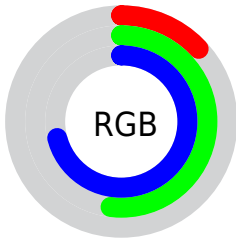
Format	Color
R_{YB}	33, 92, 180
Decimal	2196660
CIE _{Lab}	52.00, -10.63, -33.05
CIE _{LCh}	52, 34.719, 252.163
Y _{xy}	20.1443, 0.2053, 0.2413
Android (android.graphics.Color)	4280386740 (0xFF2184B4)
YUV	107.8710, 35.5596, -65.6619
Hunter-Lab	44.8824, -10.3887, -29.6172

Details

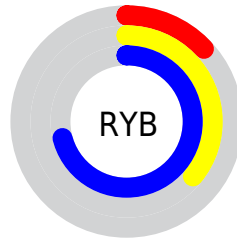
The CIELCh color **52, 34.719, 252.163** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **47, 58.880, 50.548**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 34.684, 252.138**, and **33, 31.038, 262.471** is the 20% darker color. If you saturate the color by 10%, you get **50, 37.292, 256.727**, and if you desaturate by 10%, it is **54, 31.850, 248.244**.

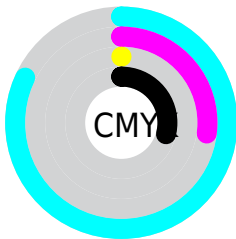
Distribution



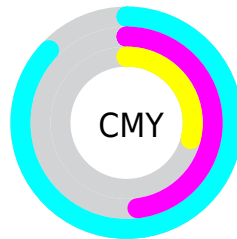
- Red (13%)
- Green (52%)
- Blue (71%)



- Red (13%)
- Yellow (36%)
- Blue (71%)



- Cyan (82%)
- Magenta (27%)
- Yellow (0%)
- Black (29%)





- Cyan (87%)
- Magenta (48%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 34.719, 252.163 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, 34.719, 252.163 by changing the saturation by 10% instead.


 52, 34.719,
252.163


 52, 34.719,
252.163


 100, 34.719,
252.163


 42, 34.719,
252.163


 72, 34.719,
252.163

 32, 34.719,
252.163

 82, 34.719,
252.163

 22, 34.719,
252.163

 92, 34.719,
252.163

 12, 34.719,
252.163

 2, 34.719, 252.163

 0, 34.719, 252.163

■ 52, 34.719,
252.163

■ 52, 34.719,
252.163

■ 50, 37.292,
256.727

■ 54, 31.850,
248.244

■ 48, 39.396,
260.827

■ 57, 28.587,
244.975

■ 59, 24.890,
242.302

■ 62, 20.764,
240.144

■ 64, 16.245,
238.414

■ 67, 11.386,
237.037

■ 70, 6.245, 235.959

■ 73, 0.878, 235.513

Harmonies

Complementary

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



52, 34.719, 252.163



47, 58.880, 50.548

Rectangle

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



52, 34.719, 252.163



52, 34.719, 302.163



52, 34.719, 72.163



52, 34.719, 122.163

Sweetspot

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



52, 34.718, 252.164



84, 15.586, 237.392



65, 70.901, 145.234



43, 10.605, 237.870



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



52, 34.718, 252.164



62, 47.875, 260.782



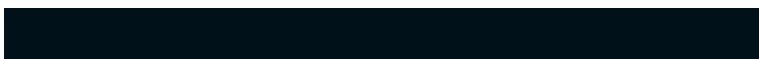
31, 74.756, 298.067



36, 3.042, 235.755



41, 34.686, 260.106



4, 7.695, 247.849

Inverse Universe

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



42, 67.047, 343.348



52, 84.969, 346.836



64, 61.042, 91.756



35, 5.367, 335.995



33, 62.190, 346.539



2, 11.942, 340.226

Previews

White Background



This preview shows how the CIE LCh color 52, 34.719, 252.163 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 CIELCh color 52, 34.719, 252.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

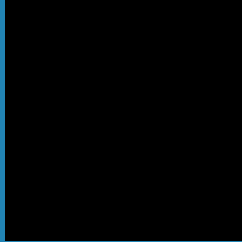
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 34.719, 252.163

Background



This preview shows how black text looks on a background with the CIELCh color 52, 34.719, 252.163.

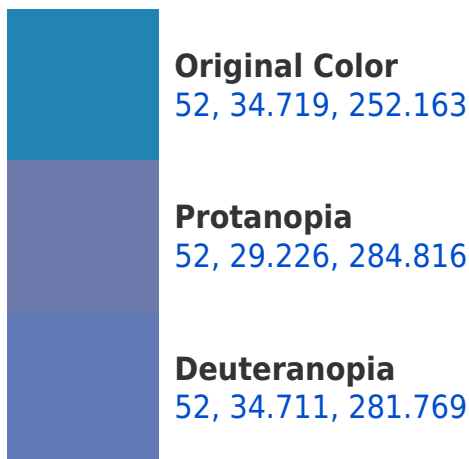


This preview shows how white text looks on a background with the CIELCh color 52, 34.719, 252.163.

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





Tritanopia
52, 30.471, 208.924

Trichromacy



Original Color
52, 34.719, 252.163

Protanomaly
52, 30.694, 268.111

Deuteranomaly
52, 34.260, 269.029

Tritanomaly
52, 30.274, 226.167

Monochromacy



Original Color
52, 34.719, 252.163

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 15.625, 238.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 34.719, 252.163 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(33, 132, 180)` looks like.

```
.text, #text, p{  
    color:rgb(33, 132, 180)  
}
```

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(33, 132, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 132, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 34.719, 252.163 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(33, 132, 180) }
```

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

```
.border{ border-color:rgb(33, 132, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 132, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 132, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 132, 180);  
box-shadow:4px 4px 4px 4px rgb(33, 132,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 34.719, 252.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 132, 180) }
```

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

```
.background{ background-color: rgb(33, 132,  
180) }
```

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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