

Converting Colors

CIELCh(52, 38.498, 258.875)

Have a look what the booklet for
CIELCh(52, 38.498, 258.875)
contains.

CIELCh(52, 38.375, 258.760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(52, 38.375, 258.760)

Conversions

Conversions Part 1

Format	Color
Hex	1D83BC
RGB	29, 131, 188
RGB Percent	11%, 51%, 74%
CMY	0.8857, 0.4860, 0.2625
CMYK	0.85, 0.30, 0.00, 0.26
HSL	202°, 73%, 43%
HSV	202°, 85%, 74%
XYZ	17.7178, 20.1443, 50.5660
YIQ	107.0000, -79.0890, -3.8970

Conversions

Conversions Part 2

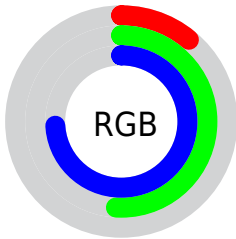
Format	Color
R_{YB}	29, 91, 188
Decimal	1934268
CIE _{Lab}	52.00, -7.48, -37.64
CIE _{LCh}	52, 38.375, 258.760
Yxy	20.1443, 0.2004, 0.2278
Android (android.graphics.Color)	4280124348 (0xFF1D83BC)
YUV	107.0000, 39.9330, -68.4060
Hunter-Lab	44.8824, -8.0795, -35.3804




Details

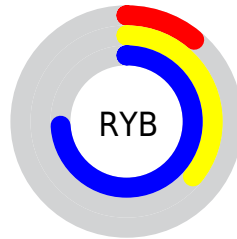
The CIELCh color **52, 38.375, 258.760** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **49, 62.503, 52.651**, and the grayscale version is **45, 0.006, 296.813**.




A 20% lighter version of the original color is **72, 38.474, 258.963**, and **33, 34.961, 269.187** is the 20% darker color. If you saturate the color by 10%, you get **50, 41.493, 263.603**, and if you desaturate by 10%, it is **54, 35.081, 254.486**.

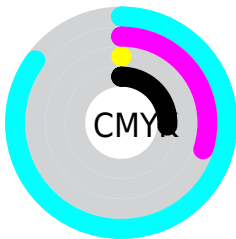
Distribution







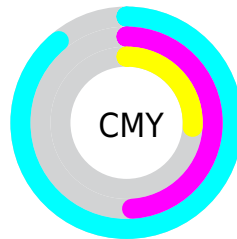
-  Red (11%)
-  Green (51%)
-  Blue (74%)






-  Red (11%)
-  Yellow (36%)
-  Blue (74%)



-  Cyan (85%)
-  Magenta (30%)
-  Yellow (0%)
-  Black (26%)





-  Cyan (89%)
-  Magenta (49%)
-  Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 38.375, 258.760 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, 38.375, 258.760 by changing the saturation by 10% instead.


 52, 38.375,
258.760


 52, 38.375,
258.760


 100, 38.375,
258.760


 42, 38.375,
258.760


 72, 38.375,
258.760

 32, 38.375,
258.760

 82, 38.375,
258.760

 22, 38.375,
258.760

 92, 38.375,
258.760

 12, 38.375,
258.760

 2, 38.375, 258.760

 0, 38.375, 258.760

■ 52, 38.375,
258.760

■ 52, 38.375,
258.760

■ 50, 41.493,
263.603

■ 54, 35.081,
254.486

■ 49, 43.237,
266.305

■ 57, 31.487,
250.844

■ 60, 27.524,
247.814

■ 63, 23.173,
245.332

■ 66, 18.456,
243.317

■ 69, 13.413,
241.689

■ 72, 8.097, 240.386

■ 75, 2.559, 239.430

Harmonies

Complementary

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



52, 38.375, 258.760



49, 62.503, 52.651

Rectangle

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



52, 38.375, 258.760



52, 38.375, 308.760



52, 38.375, 78.760



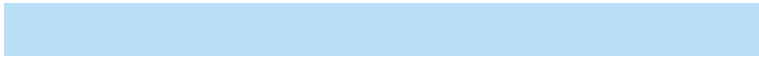
52, 38.375, 128.760

Sweetspot

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



52, 38.374, 258.761



87, 16.920, 241.822



67, 73.195, 145.861



45, 11.449, 242.365



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



52, 38.374, 258.761



62, 53.301, 267.223



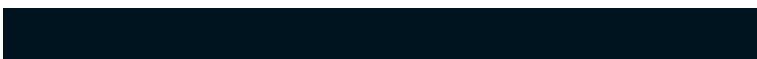
30, 83.775, 300.284



38, 3.201, 239.834



41, 37.692, 265.564



5, 10.086, 253.629

Inverse Universe

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



43, 68.940, 345.968



54, 86.175, 349.952



68, 65.755, 93.794



37, 5.493, 337.394



34, 62.529, 349.095



3, 15.329, 343.226

Previews

White Background



This preview shows how the CIE LCh color 52, 38.375, 258.760 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, 38.375, 258.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

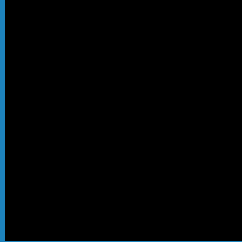
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 38.375, 258.760

Background



This preview shows how black text looks on a background with the CIELCh color 52, 38.375, 258.760.

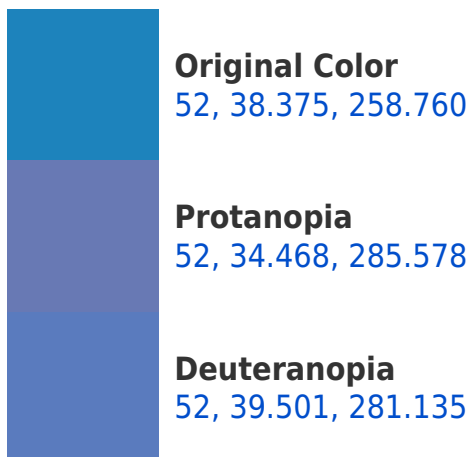


This preview shows how white text looks on a background with the CIELCh color 52, 38.375, 258.760.

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, 30.517, 207.753

Trichromacy



Original Color
52, 38.375, 258.760

Protanomaly
51, 35.509, 272.095

Deuteranomaly
52, 38.683, 271.425

Tritanomaly
52, 30.598, 228.415

Monochromacy



Original Color
52, 38.375, 258.760

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 16.853, 243.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 38.375, 258.760 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(29, 131, 188)` looks like.

```
.text, #text, p{  
    color:rgb(29, 131, 188)  
}
```

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(29, 131, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 131, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 38.375, 258.760 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(29, 131, 188) }
```

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

```
.border{ border-color:rgb(29, 131, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 131, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(29, 131, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(29, 131, 188); box-shadow:4px 4px 4px 4px rgb(29, 131, 188) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 38.375, 258.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 131, 188) }
```

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

```
.background{ background-color: rgb(29, 131,  
188) }
```

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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