

Converting Colors

CIELCh(52, 30.747, 230.851)

Have a look what the booklet for
CIELCh(52, 30.747, 230.851)
contains.

CIELCh(52, 30.756, 230.886)	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, 30.756, 230.886)

Conversions

Conversions Part 1

Format	Color
Hex	0F87A4
RGB	15, 135, 164
RGB Percent	6%, 53%, 64%
CMY	0.9399, 0.4702, 0.3565
CMYK	0.91, 0.18, 0.00, 0.36
HSL	192°, 83%, 35%
HSV	192°, 91%, 64%
XYZ	15.5903, 20.1443, 38.2380
YIQ	102.4260, -80.8290, -16.4210

Conversions

Conversions Part 2

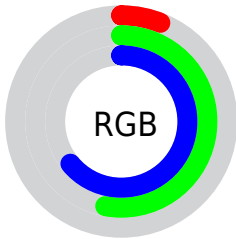
Format	Color
RYB	15, 81, 164
Decimal	1017764
CIELab	52.00, -19.40, -23.86
CIELCh	52, 30.756, 230.886
Yxy	20.1443, 0.2108, 0.2723
Android (android.graphics.Color)	4279207844 (0xFF0F87A4)
YUV	102.4260, 30.3560, -76.6726
Hunter-Lab	44.8824, -16.5406, -19.0949

Details

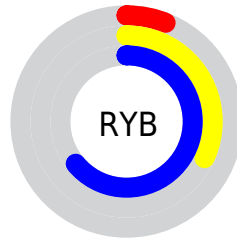
The CIELCh color **52, 30.756, 230.886** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **37, 65.108, 42.852**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 30.788, 231.337**, and **33, 24.462, 242.150** is the 20% darker color. If you saturate the color by 10%, you get **51, 31.497, 234.087**, and if you desaturate by 10%, it is **53, 29.602, 227.898**.

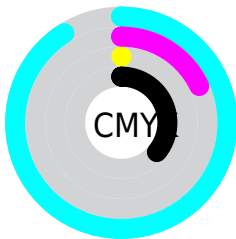
Distribution



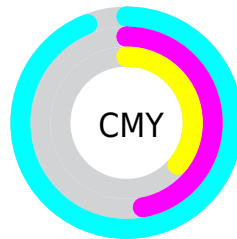
- Red (6%)
- Green (53%)
- Blue (64%)



- Red (6%)
- Yellow (32%)
- Blue (64%)



- Cyan (91%)
- Magenta (18%)
- Yellow (0%)
- Black (36%)





- Cyan (94%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 30.756, 230.886 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, 30.756, 230.886 by changing the saturation by 10% instead.


 52, 30.756,
230.886


 52, 30.756,
230.886


 100, 30.756,
230.886


 42, 30.756,
230.886


 72, 30.756,
230.886

 32, 30.756,
230.886

 82, 30.756,
230.886

 22, 30.756,
230.886

 92, 30.756,
230.886

 12, 30.756,
230.886

 2, 30.756, 230.886

 0, 30.756, 230.886

■ 52, 30.756,
230.886

■ 52, 30.756,
230.886

■ 51, 31.497,
234.087

■ 53, 29.602,
227.898

■ 55, 27.865,
225.490

■ 56, 25.498,
223.594

■ 58, 22.510,
222.131

■ 59, 18.946,
221.024

■ 61, 14.871,
220.208

■ 63, 10.363,
219.628

■ 65, 5.499, 219.257

Harmonies

Complementary

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



52, 30.756, 230.886



37, 65.108, 42.852

Rectangle

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



52, 30.756, 230.886



52, 30.756, 280.886



52, 30.756, 50.886



52, 30.756, 100.886

Sweetspot

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



52, 30.755, 230.886



79, 16.451, 220.002



59, 77.424, 139.683



41, 10.940, 220.211



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



52, 30.755, 230.886



65, 38.462, 234.879



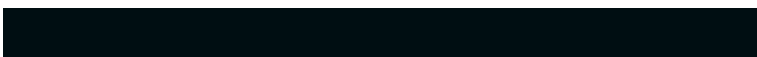
30, 64.291, 294.072



34, 2.915, 219.224



45, 28.793, 233.662



3, 4.542, 224.497

Inverse Universe

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



38, 70.382, 336.827



49, 86.964, 337.965



53, 56.809, 79.464



32, 5.474, 330.885



33, 65.523, 337.630



1, 8.185, 332.048

Previews

White Background



This preview shows how the CIELCh color 52, 30.756, 230.886 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, 30.756, 230.886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

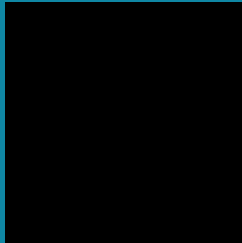
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 30.756, 230.886

Background



This preview shows how black text looks on a background with the CIELCh color 52, 30.756, 230.886.

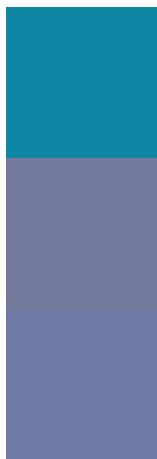


This preview shows how white text looks on a background with the CIELCh color 52, 30.756, 230.886.

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, 30.756, 230.886

Protanopia

52, 19.280, 285.232

Deuteranopia

52, 26.276, 285.387



Tritanopia
52, 30.471, 208.924

Trichromacy



Original Color
52, 30.756, 230.886

Protanomaly
51, 22.858, 251.202

Deuteranomaly
51, 26.612, 257.862

Tritanomaly
52, 30.058, 217.508

Monochromacy



Original Color
52, 30.756, 230.886

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 16.072, 219.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 30.756, 230.886 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(15, 135, 164)` looks like.

```
.text, #text, p{  
    color:rgb(15, 135, 164)  
}
```

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(15, 135, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 135, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 30.756, 230.886 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(15, 135, 164) }
```

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

```
.border{ border-color:rgb(15, 135, 164) }
```

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

Here you see how a box with a 4 pixel rgb(15, 135, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 135, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 135, 164);  
box-shadow:4px 4px 4px 4px rgb(15, 135,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 30.756, 230.886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 135, 164) }
```

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

```
.background{ background-color: rgb(15, 135,  
164) }
```

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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