

Converting Colors

CIELCh(52, 30.243, 216.490)

Have a look what the booklet for
CIELCh(52, 30.243, 216.490)
contains.

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Color

CIELCh(52, 30.307, 216.084)

Conversions

Conversions Part 1

Format	Color
Hex	02899A
RGB	2, 137, 154
RGB Percent	1%, 54%, 60%
CMY	0.9923, 0.4639, 0.3972
CMYK	0.99, 0.11, 0.00, 0.40
HSL	187°, 97%, 31%
HSV	187°, 99%, 60%
XYZ	14.7366, 20.1443, 33.5546
YIQ	98.5730, -85.9170, -23.3330

Conversions

Conversions Part 2

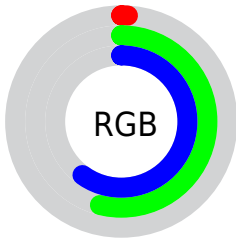
Format	Color
RYB	2, 73, 154
Decimal	166298
CIELab	52.00, -24.49, -17.85
CIELCh	52, 30.307, 216.084
Yxy	20.1443, 0.2153, 0.2944
Android (android.graphics.Color)	4278356378 (0xFF02899A)
YUV	98.5730, 27.3255, -84.6945
Hunter-Lab	44.8824, -19.9358, -12.9082

Details

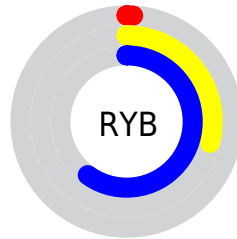
The CIELCh color **52, 30.307, 216.084** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 68.853, 41.076**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 30.292, 215.330**, and **34, 22.407, 224.036** is the 20% darker color. If you saturate the color by 10%, you get **52, 30.363, 216.309**, and if you desaturate by 10%, it is **53, 29.818, 214.331**.

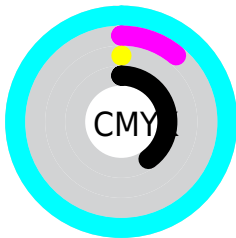
Distribution



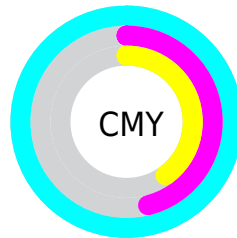
- Red (1%)
- Green (54%)
- Blue (60%)



- Red (1%)
- Yellow (29%)
- Blue (60%)



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)





- Cyan (99%)
- Magenta (46%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 30.307, 216.084 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, 30.307, 216.084 by changing the saturation by 10% instead.


 52, 30.307,
216.084


 52, 30.307,
216.084


 100, 30.307,
216.084


 42, 30.307,
216.084


 72, 30.307,
216.084

 32, 30.307,
216.084

 82, 30.307,
216.084

 22, 30.307,
216.084

 92, 30.307,
216.084

 12, 30.307,
216.084

 2, 30.307, 216.084

 0, 30.307, 216.084

■ 52, 30.307,
216.084

■ 52, 30.307,
216.084

■ 52, 30.363,
216.309

■ 53, 29.818,
214.331

■ 53, 28.812,
212.883

■ 54, 27.139,
211.766

■ 55, 24.786,
210.939

■ 56, 21.779,
210.358

■ 58, 18.173,
209.985

■ 59, 14.044,
209.784

■ 60, 9.472, 209.728

Harmonies

Complementary

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



52, 30.307, 216.084



33, 68.853, 41.076

Rectangle

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



52, 30.307, 216.084



52, 30.307, 266.084



52, 30.307, 36.084



52, 30.307, 86.084

Sweetspot

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



52, 30.306, 216.083



74, 17.967, 209.809



55, 79.640, 137.155



38, 12.039, 209.879



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



52, 30.306, 216.083



66, 36.698, 216.748



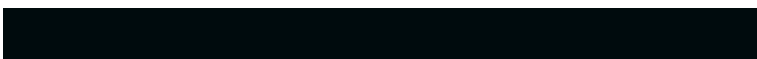
29, 58.163, 291.370



32, 2.925, 209.809



48, 28.414, 216.129



2, 3.209, 211.007

Inverse Universe

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



35, 72.424, 333.115



46, 87.751, 333.289



45, 56.208, 70.179



30, 5.500, 328.136



32, 67.972, 333.136



1, 5.865, 327.986

Previews

White Background



This preview shows how the CIELCh color 52, 30.307, 216.084 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, 30.307, 216.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

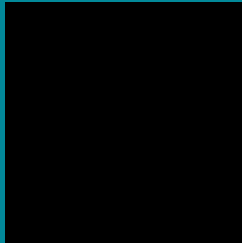
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 30.307, 216.084

Background



This preview shows how black text looks on a background with the CIELCh color 52, 30.307, 216.084.

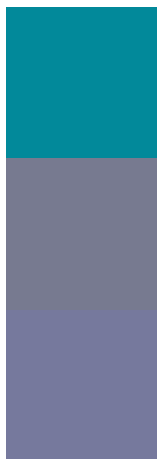


This preview shows how white text looks on a background with the CIELCh color 52, 30.307, 216.084.

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, 30.350, 216.052

Protanopia

52, 12.825, 286.834

Deuteranopia

52, 20.946, 289.894

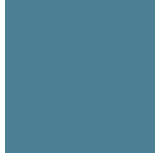


Tritanopia
52, 30.471, 208.924

Trichromacy



Original Color
52, 30.350, 216.052



Protanomaly
51, 20.004, 236.245



Deuteranomaly
51, 22.578, 247.321



Tritanomaly
52, 30.368, 211.301

Monochromacy



Original Color
52, 30.350, 216.052



Achromatopsia
42, 0.006, 296.813



Achromatomaly
44, 17.101, 209.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 30.307, 216.084 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(2, 137, 154)` looks like.

```
.text, #text, p{  
    color:rgb(2, 137, 154)  
}
```

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(2, 137, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 137, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 30.307, 216.084 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(2, 137, 154) }
```

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

```
.border{ border-color:rgb(2, 137, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 137, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 137, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 137, 154);  
box-shadow:4px 4px 4px 4px rgb(2, 137,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 30.307, 216.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 137, 154) }
```

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

```
.background{ background-color: rgb(2, 137,  
154) }
```

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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