

Converting Colors

CIELCh(52, 27.416, 232.167)

Have a look what the booklet for
CIELCh(52, 27.416, 232.167)
contains.

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Color

CIELCh(52, 27.307, 231.455)

Conversions

Conversions Part 1

Format	Color
Hex	2F86A0
RGB	47, 134, 160
RGB Percent	18%, 53%, 63%
CMY	0.8164, 0.4751, 0.3731
CMYK	0.71, 0.16, 0.00, 0.37
HSL	194°, 55%, 41%
HSV	194°, 71%, 63%
XYZ	16.0018, 20.1443, 36.2366
YIQ	110.9510, -60.1980, -10.3580

Conversions

Conversions Part 2

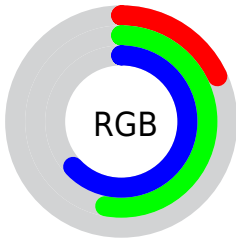
Format	Color
RYB	47, 96, 160
Decimal	3114656
CIELab	52.00, -17.02, -21.36
CIElCh	52, 27.307, 231.455
Yxy	20.1443, 0.2211, 0.2783
Android (android.graphics.Color)	4281304736 (0xFF2F86A0)
YUV	110.9510, 24.1812, -56.0850
Hunter-Lab	44.8824, -14.9041, -16.4511




Details

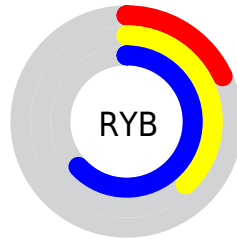
The CIELCh color **52, 27.307, 231.455** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **42, 47.188, 43.423**, and the grayscale version is **47, 0.006, 296.813**.




A 20% lighter version of the original color is **72, 27.308, 232.191**, and **33, 23.497, 238.091** is the 20% darker color. If you saturate the color by 10%, you get **50, 29.180, 234.324**, and if you desaturate by 10%, it is **54, 24.874, 229.161**.

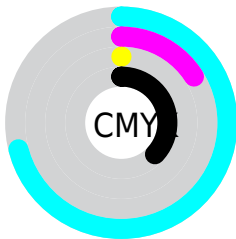
Distribution







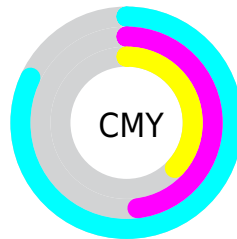
-  Red (18%)
-  Green (53%)
-  Blue (63%)






-  Red (18%)
-  Yellow (38%)
-  Blue (63%)



-  Cyan (71%)
-  Magenta (16%)
-  Yellow (0%)
-  Black (37%)



-  Cyan (82%)
-  Magenta (48%)
-  Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 27.307, 231.455 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, 27.307, 231.455 by changing the saturation by 10% instead.

■ 52, 27.307,
231.455

■ 52, 27.307,
231.455

■ 100, 27.307,
231.455

■ 42, 27.307,
231.455

■ 72, 27.307,
231.455

■ 32, 27.307,
231.455

■ 82, 27.307,
231.455

■ 22, 27.307,
231.455

■ 92, 27.307,
231.455

■ 12, 27.307,
231.455

■ 2, 27.307, 231.455

■ 0, 27.307, 231.455

■ 52, 27.307,
231.455

■ 52, 27.307,
231.455

■ 50, 29.180,
234.324

■ 54, 24.874,
229.161

■ 49, 30.550,
237.832

■ 55, 21.884,
227.359

■ 48, 31.564,
241.501

■ 57, 18.371,
225.964

■ 59, 14.394,
224.901

■ 61, 10.021,
224.107

■ 63, 5.323, 223.548

■ 66, 0.365, 224.269

■ 68, 4.797, 42.626

Harmonies

Complementary

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



52, 27.307, 231.455



42, 47.188, 43.423

Rectangle

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



52, 27.307, 231.455



52, 27.307, 281.455



52, 27.307, 51.455



52, 27.307, 101.455

Sweetspot

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



52, 27.306, 231.454



77, 12.493, 224.153



58, 62.425, 143.840



40, 8.457, 224.340



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



52, 27.306, 231.454



63, 36.335, 236.301



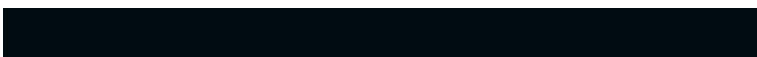
35, 50.332, 289.331



32, 2.794, 223.488



43, 29.009, 241.037



3, 3.693, 227.155

Inverse Universe

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



40, 60.182, 336.719



48, 80.461, 338.286



55, 46.980, 85.719



31, 5.201, 332.143



32, 63.084, 339.737



1, 6.595, 332.874

Previews

White Background



This preview shows how the CIE LCh color 52, 27.307, 231.455 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, 27.307, 231.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

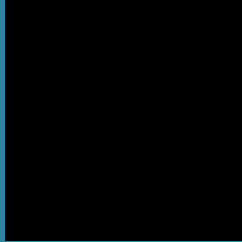
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 27.307, 231.455

Background



This preview shows how black text looks on a background with the CIELCh color 52, 27.307, 231.455.

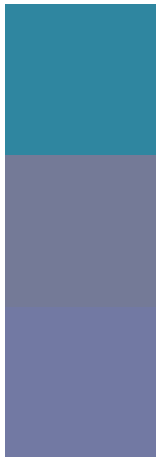


This preview shows how white text looks on a background with the CIELCh color 52, 27.307, 231.455.

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, 27.307, 231.455

Protanopia

52, 16.950, 285.013

Deuteranopia

52, 24.476, 287.617



Tritanopia
52, 27.413, 210.578

Trichromacy



Original Color
52, 27.307, 231.455

Protanomaly
51, 19.553, 255.765

Deuteranomaly
52, 23.382, 263.205

Tritanomaly
52, 27.028, 218.831

Monochromacy



Original Color
52, 27.307, 231.455

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 12.436, 226.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 27.307, 231.455 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(47, 134, 160)` looks like.

```
.text, #text, p{  
    color:rgb(47, 134, 160)  
}
```

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(47, 134, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 134, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 27.307, 231.455 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(47, 134, 160) }
```

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

```
.border{ border-color:rgb(47, 134, 160) }
```

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

Here you see how a box with a 4 pixel rgb(47, 134, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 134, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 134, 160);  
box-shadow:4px 4px 4px 4px rgb(47, 134,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 27.307, 231.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 134, 160) }
```

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

```
.background{ background-color: rgb(47, 134,  
160) }
```

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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