

Converting Colors

CIELCh(52, 26.949, 196.930)

Have a look what the booklet for
CIELCh(52, 26.949, 196.930)
contains.

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Color

CIELCh(52, 27.038, 196.802)

Conversions

Conversions Part 1

Format	Color
Hex	2E8989
RGB	46, 137, 137
RGB Percent	18%, 54%, 54%
CMY	0.8179, 0.4645, 0.4645
CMYK	0.66, 0.00, 0.00, 0.46
HSL	180°, 49%, 36%
HSV	180°, 66%, 54%
XYZ	14.5089, 20.1443, 26.6192
YIQ	109.7910, -54.2360, -19.2920

Conversions

Conversions Part 2

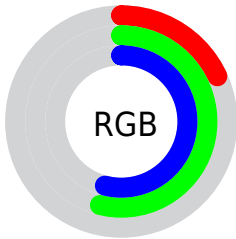
Format	Color
RYB	46, 92, 137
Decimal	3049865
CIELab	52.00, -25.88, -7.82
CIELCh	52, 27.038, 196.802
Yxy	20.1443, 0.2368, 0.3288
Android (android.graphics.Color)	4281239945 (0xFF2E8989)
YUV	109.7910, 13.4140, -55.9447
Hunter-Lab	44.8824, -20.8416, -3.7465

Details

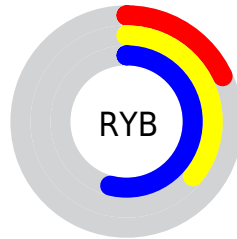
The CIELCh color **52, 27.038, 196.802** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **33, 43.755, 28.568**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 27.257, 196.175**, and **33, 22.892, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **52, 29.045, 196.616**, and if you desaturate by 10%, it is **52, 24.387, 197.048**.

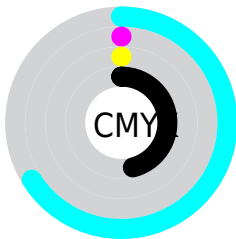
Distribution



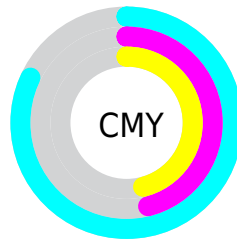
- Red (18%)
- Green (54%)
- Blue (54%)



- Red (18%)
- Yellow (36%)
- Blue (54%)



- Cyan (66%)
- Magenta (0%)
- Yellow (0%)
- Black (46%)





- Cyan (82%)
- Magenta (46%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 27.038, 196.802 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, 27.038, 196.802 by changing the saturation by 10% instead.


 52, 27.038,
196.802


 52, 27.038,
196.802


 100, 27.038,
196.802


 42, 27.038,
196.802


 72, 27.038,
196.802

 32, 27.038,
196.802

 82, 27.038,
196.802

 22, 27.038,
196.802

 92, 27.038,
196.802

 12, 27.038,
196.802

 2, 27.038, 196.802

 0, 27.038, 196.802

■ 52, 27.038,
196.802

■ 52, 27.038,
196.802

■ 52, 29.045,
196.616

■ 52, 24.387,
197.048

■ 51, 30.414,
196.491

■ 53, 21.121,
197.357

■ 51, 31.223,
196.417

■ 54, 17.292,
197.726

■ 51, 31.499,
196.392

■ 54, 12.970,
198.151

■ 55, 8.234, 198.635

■ 56, 3.166, 199.221

■ 57, 2.159, 19.435

■ 59, 7.670, 20.139

■ 60, 13.310, 20.746

Harmonies

Complementary

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



52, 27.038, 196.802



33, 43.755, 28.568

Rectangle

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



52, 27.038, 196.802



52, 27.038, 246.802



52, 27.038, 16.802



52, 27.038, 66.802

Sweetspot

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



52, 27.038, 196.801



70, 12.645, 198.412



50, 59.875, 138.789



36, 8.528, 198.296



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



52, 27.038, 196.801



66, 36.246, 196.549



38, 29.665, 269.287



29, 2.978, 199.012



50, 30.837, 196.392



1, 1.414, 199.425

Inverse Universe

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



36, 59.084, 327.580



44, 81.775, 327.974



43, 35.651, 67.335



27, 5.441, 324.905



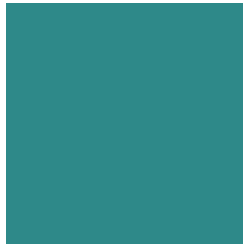
31, 71.114, 328.234



0, 2.512, 324.440

Previews

White Background



This preview shows how the CIELCh color 52, 27.038, 196.802 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, 27.038, 196.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

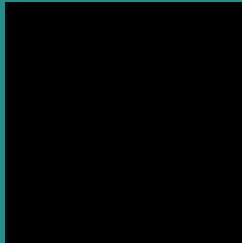
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 27.038, 196.802

Background



This preview shows how black text looks on a background with the CIELCh color 52, 27.038, 196.802.

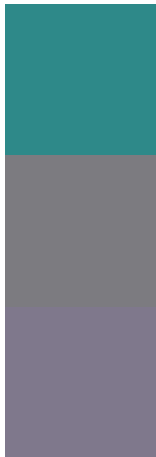


This preview shows how white text looks on a background with the CIELCh color 52, 27.038, 196.802.

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, 27.208, 196.786

Protanopia

52, 2.942, 298.247

Deuteranopia

52, 11.994, 304.440



Tritanopia
52, 25.250, 211.963

Trichromacy



Original Color
52, 27.208, 196.786

Protanomaly
51, 11.821, 206.799

Deuteranomaly
51, 12.341, 236.688

Tritanomaly
52, 25.860, 206.144

Monochromacy



Original Color
52, 27.208, 196.786

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 12.292, 198.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 27.038, 196.802 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(46, 137, 137)` looks like.

```
.text, #text, p{  
    color:rgb(46, 137, 137)  
}
```

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(46, 137, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 137, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 27.038, 196.802 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(46, 137, 137) }
```

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

```
.border{ border-color:rgb(46, 137, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 137, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 137, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 137, 137);  
box-shadow:4px 4px 4px 4px rgb(46, 137,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 27.038, 196.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 137, 137) }
```

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

```
.background{ background-color: rgb(46, 137,  
137) }
```

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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