

Converting Colors

CIELCh(54, 28.186, 196.274)

Have a look what the booklet for
CIELCh(54, 28.186, 196.274)
contains.

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Color

CIELCh(54, 28.090, 196.772)

Conversions

Conversions Part 1

Format	Color
Hex	2F8E8E
RGB	47, 142, 142
RGB Percent	18%, 56%, 56%
CMY	0.8147, 0.4423, 0.4424
CMYK	0.67, 0.00, 0.00, 0.44
HSL	180°, 50%, 37%
HSV	180°, 67%, 56%
XYZ	15.7840, 21.9746, 29.0785
YIQ	113.5950, -56.6200, -20.1400

Conversions

Conversions Part 2

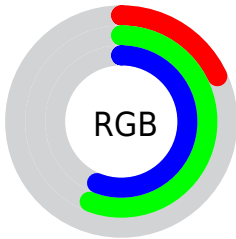
Format	Color
RYB	47, 95, 142
Decimal	3116686
CIELab	54.00, -26.90, -8.11
CIElCh	54, 28.090, 196.772
Yxy	21.9746, 0.2362, 0.3288
Android (android.graphics.Color)	4281306766 (0xFF2F8E8E)
YUV	113.5950, 14.0037, -58.4038
Hunter-Lab	46.8770, -21.9320, -3.9645




Details

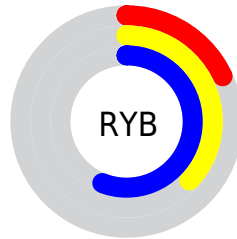
The CIELCh color **54, 28.090, 196.772** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **34, 45.833, 28.853**, and the grayscale version is **48, 0.006, 296.813**.




A 20% lighter version of the original color is **74, 27.903, 197.328**, and **35, 23.451, 197.969** is the 20% darker color. If you saturate the color by 10%, you get **54, 30.095, 196.591**, and if you desaturate by 10%, it is **54, 25.415, 197.013**.

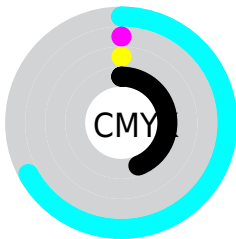
Distribution







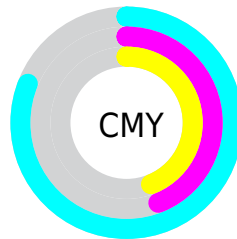
-  Red (18%)
-  Green (56%)
-  Blue (56%)






-  Red (18%)
-  Yellow (37%)
-  Blue (56%)



-  Cyan (67%)
-  Magenta (0%)
-  Yellow (0%)
-  Black (44%)



-  Cyan (81%)
-  Magenta (44%)
-  Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 28.090, 196.772 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 54, 28.090, 196.772 by changing the saturation by 10% instead.

 54, 28.090,
196.772

 54, 28.090,
196.772

 100, 28.090,
196.772

 44, 28.090,
196.772

 74, 28.090,
196.772

 34, 28.090,
196.772

 84, 28.090,
196.772

 24, 28.090,
196.772

 94, 28.090,
196.772

 14, 28.090,
196.772

 4, 28.090, 196.772

 0, 28.090, 196.772

■ 54, 28.090,
196.772

■ 54, 28.090,
196.772

■ 54, 30.095,
196.591

■ 54, 25.415,
197.013

■ 53, 31.443,
196.471

■ 55, 22.098,
197.318

■ 53, 32.226,
196.401

■ 56, 18.190,
197.683

■ 53, 32.445,
196.382

■ 56, 13.763,
198.105

■ 57, 8.901, 198.586

■ 58, 3.686, 199.158

■ 59, 1.801, 19.342

■ 61, 7.487, 20.089

■ 62, 13.309, 20.699

Harmonies

Complementary

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



54, 28.090, 196.772



34, 45.833, 28.853

Rectangle

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



54, 28.090, 196.772



54, 28.090, 246.772



54, 28.090, 16.772



54, 28.090, 66.772

Sweetspot

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



54, 28.090, 196.771



72, 12.938, 198.403



52, 62.182, 138.423



37, 8.727, 198.285



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



54, 28.090, 196.771



68, 37.214, 196.525



40, 30.253, 267.750



30, 3.069, 199.003



51, 31.268, 196.382



2, 2.121, 199.419

Inverse Universe

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



34, 45.833, 28.853



41, 68.386, 33.688



44, 37.288, 65.621



28, 3.246, 19.886



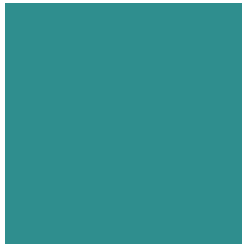
27, 64.130, 38.797



0, 2.121, 19.402

Previews

White Background



This preview shows how the CIELCh color 54, 28.090, 196.772 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 54, 28.090, 196.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

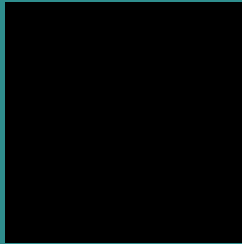
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 28.090, 196.772

Background



This preview shows how black text looks on a background with the CIELCh color 54, 28.090, 196.772.

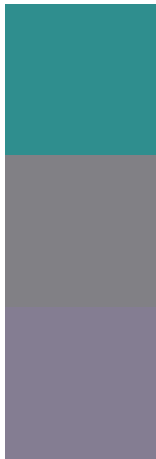


This preview shows how white text looks on a background with the CIELCh color 54, 28.090, 196.772.

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


54, 28.090, 196.772

Protanopia

54, 2.922, 298.238

Deuteranopia

54, 12.472, 303.853



Tritanopia
54, 26.160, 211.304

Trichromacy



Original Color
54, 28.090, 196.772

Protanomaly
53, 12.438, 206.287

Deuteranomaly
53, 13.111, 236.974

Tritanomaly
54, 26.575, 205.831

Monochromacy



Original Color
54, 28.090, 196.772

Achromatopsia
48, 0.006, 296.813

Achromatomaly
50, 12.590, 198.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 28.090, 196.772 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, 142, 142)` looks like.

```
.text, #text, p{  
    color:rgb(47, 142, 142)  
}
```

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, 142, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 142, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 28.090, 196.772 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, 142, 142) }
```

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

```
.border{ border-color:rgb(47, 142, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 142, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 142, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 142, 142);  
box-shadow:4px 4px 4px 4px rgb(47, 142,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 28.090, 196.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 142, 142) }
```

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

```
.background{ background-color: rgb(47, 142,  
142) }
```

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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