

Converting Colors

CIELCh(56, 28.417, 196.857)

Have a look what the booklet for
CIELCh(56, 28.417, 196.857)
contains.

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Color

CIELCh(56, 28.508, 196.810)

Conversions

Conversions Part 1

Format	Color
Hex	349494
RGB	52, 148, 148
RGB Percent	20%, 58%, 58%
CMY	0.7978, 0.4210, 0.4210
CMYK	0.65, 0.00, 0.00, 0.42
HSL	180°, 48%, 39%
HSV	180°, 65%, 58%
XYZ	17.2441, 23.9124, 31.5763
YIQ	119.2960, -57.2160, -20.3520

Conversions

Conversions Part 2

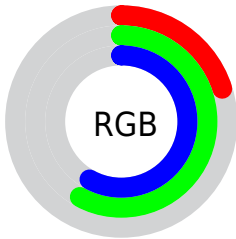
Format	Color
R_{YB}	52, 100, 148
Decimal	3445908
CIE _{Lab}	56.00, -27.29, -8.24
CIE _{LCh}	56, 28.508, 196.810
Y _{xy}	23.9124, 0.2371, 0.3288
Android (android.graphics.Color)	4281635988 (0xFF349494)
YUV	119.2960, 14.1511, -59.0186
Hunter-Lab	48.9003, -22.6297, -4.0549

Details

The CIELCh color **56, 28.508, 196.810** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **36, 45.962, 28.439**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 28.409, 197.337**, and **37, 24.687, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **56, 30.676, 196.619**, and if you desaturate by 10%, it is **56, 25.649, 197.061**.

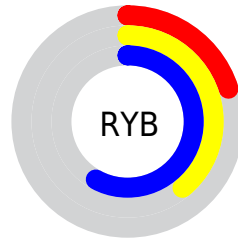
Distribution



Red (20%)

Green (58%)

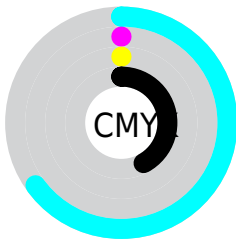
Blue (58%)



Red (20%)

Yellow (39%)

Blue (58%)

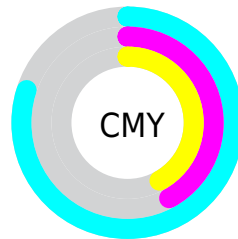


Cyan (65%)

Magenta (0%)

Yellow (0%)

Black (42%)



Cyan (80%)


Magenta (42%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 28.508, 196.810 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 56, 28.508, 196.810 by changing the saturation by 10% instead.


 56, 28.508,
196.810


 56, 28.508,
196.810


 100, 28.508,
196.810


 46, 28.508,
196.810


 76, 28.508,
196.810

 36, 28.508,
196.810

 86, 28.508,
196.810

 26, 28.508,
196.810

 96, 28.508,
196.810

 16, 28.508,
196.810

 6, 28.508, 196.810

 0, 28.508, 196.810

■ 56, 28.508,
196.810

■ 56, 28.508,
196.810

■ 56, 30.676,
196.619

■ 56, 25.649,
197.061

■ 55, 32.160,
196.491

■ 57, 22.131,
197.375

■ 55, 33.017,
196.418

■ 58, 18.013,
197.751

■ 55, 33.345,
196.390

■ 59, 13.372,
198.183

■ 60, 8.293, 198.675

■ 61, 2.864, 199.288

■ 62, 2.833, 19.524

■ 63, 8.725, 20.200

■ 65, 14.748, 20.811

Harmonies

Complementary

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



56, 28.508, 196.810



36, 45.962, 28.439

Rectangle

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



56, 28.508, 196.810



56, 28.508, 246.810



56, 28.508, 16.810



56, 28.508, 66.810

Sweetspot

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



56, 28.508, 196.809



75, 13.372, 198.405



54, 63.035, 138.839



39, 9.120, 198.283



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



56, 28.508, 196.809



71, 38.041, 196.555



41, 31.195, 269.132



31, 3.159, 199.004



52, 31.693, 196.390



2, 2.828, 199.424

Inverse Universe

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



39, 62.222, 327.564



48, 85.730, 327.961



46, 37.451, 67.396



29, 5.775, 324.911



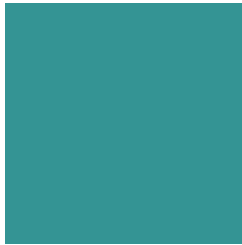
32, 73.087, 328.233



1, 5.023, 324.439

Previews

White Background



This preview shows how the CIE LCh color 56, 28.508, 196.810 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 56, 28.508, 196.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

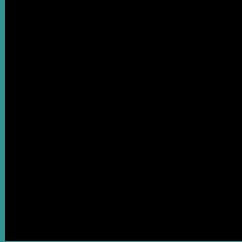
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 28.508, 196.810

Background



This preview shows how black text looks on a background with the CIELCh color 56, 28.508, 196.810.

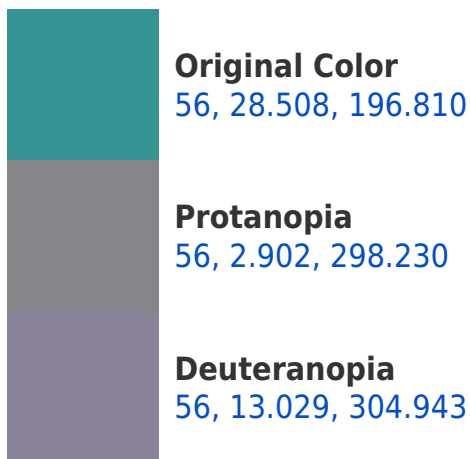



This preview shows how white text looks on a background with the CIELCh color 56, 28.508, 196.810.

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





Tritanopia
56, 26.528, 212.343

Trichromacy



Original Color
56, 28.508, 196.810



Protanomaly
55, 12.427, 208.988



Deuteranomaly
55, 12.808, 237.764



Tritanomaly
56, 27.153, 205.591

Monochromacy



Original Color
56, 28.508, 196.810



Achromatopsia
50, 0.007, 296.813



Achromatomaly
51, 12.876, 198.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 28.508, 196.810 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(52, 148, 148)` looks like.

```
.text, #text, p{  
    color:rgb(52, 148, 148)  
}
```

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(52, 148, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 148, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 28.508, 196.810 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(52, 148, 148) }
```

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

```
.border{ border-color:rgb(52, 148, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 148, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 148, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 148, 148);  
box-shadow:4px 4px 4px 4px rgb(52, 148,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 28.508, 196.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 148, 148) }
```

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

```
.background{ background-color: rgb(52, 148,  
148) }
```

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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