

Converting Colors

CIELCh(56, 33.003, 172.762)

Have a look what the booklet for
CIELCh(56, 33.003, 172.762)
contains.

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Color

CIELCh(56, 33.003, 172.762)

Conversions

Conversions Part 1

Format	Color
Hex	3A957E
RGB	58, 149, 126
RGB Percent	23%, 58%, 49%
CMY	0.7724, 0.4156, 0.5058
CMYK	0.61, 0.00, 0.15, 0.42
HSL	165°, 44%, 41%
HSV	165°, 61%, 58%
XYZ	16.2671, 23.9124, 23.5069
YIQ	119.1690, -46.8530, -26.4450

Conversions

Conversions Part 2

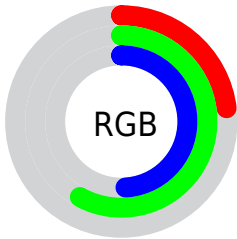
Format	Color
R _{YB}	58, 110, 149
Decimal	3839358
CIE _{Lab}	56.00, -32.74, 4.16
CIE _{LCh}	56, 33.003, 172.762
Y _{xy}	23.9124, 0.2554, 0.3755
Android (android.graphics.Color)	4282029438 (0xFF3A957E)
Y _{UV}	119.1690, 3.3677, -53.6452
Hunter-Lab	48.9003, -26.1962, 5.7289

Details

The CIELCh color **56, 33.003, 172.762** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **38, 40.832, 8.509**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 33.159, 172.933**, and **36, 30.386, 171.476** is the 20% darker color. If you saturate the color by 10%, you get **56, 36.788, 171.303**, and if you desaturate by 10%, it is **57, 28.618, 174.078**.

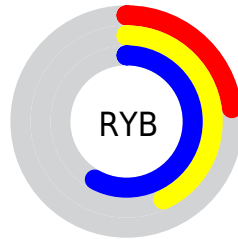
Distribution



Red (23%)

Green (58%)

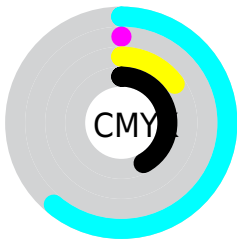
Blue (49%)



Red (23%)

Yellow (43%)

Blue (58%)

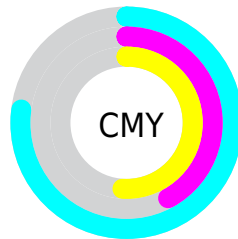


Cyan (61%)

Magenta (0%)

Yellow (15%)

Black (42%)



Cyan (77%)


Magenta (42%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 33.003, 172.762 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, 33.003, 172.762 by changing the saturation by 10% instead.


 56, 33.003,
172.762


 56, 33.003,
172.762


 100, 33.003,
172.762


 46, 33.003,
172.762


 76, 33.003,
172.762

 36, 33.003,
172.762

 86, 33.003,
172.762

 26, 33.003,
172.762

 96, 33.003,
172.762

 16, 33.003,
172.762

 6, 33.003, 172.762

 0, 33.003, 172.762

■ 56, 33.003,
172.762

■ 56, 33.003,
172.762

■ 56, 36.788,
171.303

■ 57, 28.618,
174.078

■ 55, 39.931,
169.683

■ 57, 23.705,
175.276

■ 55, 42.439,
167.884

■ 58, 18.355,
176.379

■ 55, 44.326,
166.205

■ 59, 12.666,
177.405

■ 60, 6.735, 178.384

■ 62, 0.646, 179.835

■ 63, 5.524, 359.999

■ 64, 11.716, 0.848

■ 66, 17.882, 1.637

Harmonies

Complementary

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



56, 33.003, 172.762



38, 40.832, 8.509

Rectangle

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



56, 33.003, 172.762



56, 33.003, 222.762



56, 33.003, 352.762



56, 33.003, 42.762

Sweetspot

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



56, 33.003, 172.761



76, 13.464, 177.672



56, 56.147, 133.610



39, 9.294, 177.408



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, 33.003, 172.761



71, 46.062, 170.768



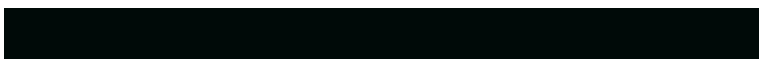
50, 23.625, 229.700



31, 3.425, 178.566



51, 41.750, 166.363



2, 3.026, 179.325

Inverse Universe

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



38, 40.832, 8.509



45, 59.181, 12.653



42, 37.154, 43.146



29, 3.530, 0.098



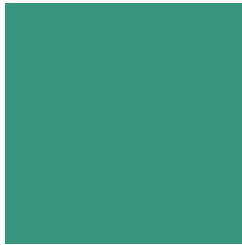
28, 56.307, 23.735



1, 3.026, 359.311

Previews

White Background



This preview shows how the CIELCh color 56, 33.003, 172.762 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, 33.003, 172.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

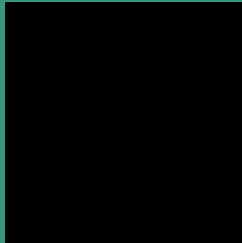
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 33.003, 172.762

Background



This preview shows how black text looks on a background with the CIELCh color 56, 33.003, 172.762.

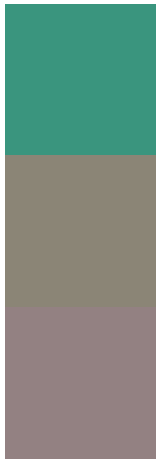


This preview shows how white text looks on a background with the CIELCh color 56, 33.003, 172.762.

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
56, 33.003, 172.762

Protanopia
56, 8.903, 92.948

Deuteranopia
56, 7.297, 15.663



Tritanopia
56, 23.778, 212.903

Trichromacy



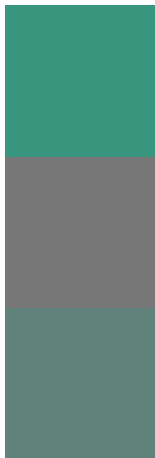
Original Color
56, 33.003, 172.762

Protanomaly
55, 15.448, 156.071

Deuteranomaly
55, 9.123, 172.334

Tritanomaly
56, 25.455, 195.746

Monochromacy



Original Color
56, 33.003, 172.762

Achromatopsia
50, 0.007, 296.813

Achromatomaly
52, 13.480, 177.772

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 33.003, 172.762 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(58, 149, 126)` looks like.

```
.text, #text, p{  
    color:rgb(58, 149, 126)  
}
```

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(58, 149, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 149, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 33.003, 172.762 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(58, 149, 126) }
```

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

```
.border{ border-color:rgb(58, 149, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 149, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 149, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 149, 126);  
box-shadow:4px 4px 4px 4px rgb(58, 149,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 33.003, 172.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 149, 126) }
```

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

```
.background{ background-color: rgb(58, 149,  
126) }
```

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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