

Converting Colors

CIELCh(56, 20.862, 167.733)

Have a look what the booklet for
CIELCh(56, 20.862, 167.733)
contains.

CIELCh(56, 20.842, 167.757)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 20.842, 167.757)

Conversions

Conversions Part 1

Format	Color
Hex	60907E
RGB	96, 144, 126
RGB Percent	38%, 56%, 49%
CMY	0.6238, 0.4356, 0.5062
CMYK	0.33, 0.00, 0.13, 0.44
HSL	157°, 20%, 47%
HSV	157°, 33%, 56%
XYZ	18.5404, 23.9124, 23.3534
YIQ	127.5960, -22.8300, -15.7740

Conversions

Conversions Part 2

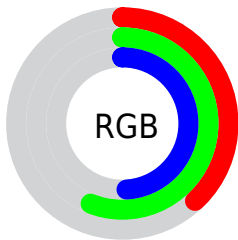
Format	Color
R_{YB}	96, 126, 144
Decimal	6328446
CIE _{Lab}	56.00, -20.37, 4.42
CIE _{LCh}	56, 20.842, 167.757
Y _{xy}	23.9124, 0.2817, 0.3634
Android (android.graphics.Color)	4284518526 (0xFF60907E)
Y _{UV}	127.5960, -0.7868, -27.7097
Hunter-Lab	48.9003, -17.8980, 5.9150

Details

The CIELCh color $56, 20.842, 167.757$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $46, 22.384, 354.464$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 20.738, 168.257$, and $36, 20.581, 167.832$ is the 20% darker color. If you saturate the color by 10%, you get $55, 26.632, 166.569$, and if you desaturate by 10%, it is $57, 14.768, 168.834$.

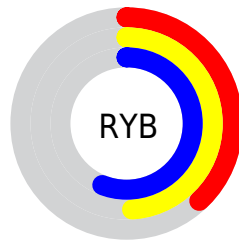
Distribution



Red (38%)

Green (56%)

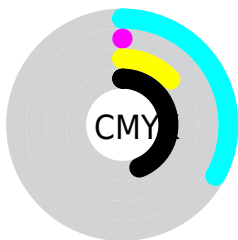
Blue (49%)



Red (38%)

Yellow (49%)

Blue (56%)

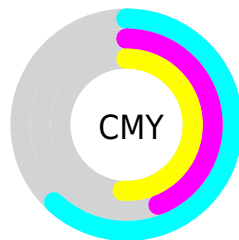


Cyan (33%)

Magenta (0%)

Yellow (13%)

Black (44%)



Cyan (62%)


Magenta (44%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 20.842, 167.757 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, 20.842, 167.757 by changing the saturation by 10% instead.


 56, 20.842,
167.757


 56, 20.842,
167.757


 100, 20.842,
167.757


 46, 20.842,
167.757


 76, 20.842,
167.757

 36, 20.842,
167.757

 86, 20.842,
167.757

 26, 20.842,
167.757

 96, 20.842,
167.757

 16, 20.842,
167.757

 6, 20.842, 167.757

 0, 20.842, 167.757

■ 56, 20.842,
167.757

■ 56, 20.842,
167.757

■ 55, 26.632,
166.569

■ 57, 14.768,
168.834

■ 54, 32.034,
165.251

■ 58, 8.503, 169.830

■ 59, 2.137, 170.855

■ 54, 36.952,
163.779

■ 61, 4.258, 351.442

■ 53, 41.309,
162.130

■ 62, 10.624,
352.274

■ 53, 45.062,
160.286

■ 64, 16.916,
353.021

■ 53, 48.216,
158.245

■ 65, 23.101,
353.721

■ 53, 50.146,
156.889

■ 67, 29.158,
354.383

■ 69, 35.072,
355.013

Harmonies

Complementary

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



56, 20.842, 167.757



46, 22.384, 354.464

Rectangle

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



56, 20.842, 167.757



56, 20.842, 217.757



56, 20.842, 347.757



56, 20.842, 37.757

Sweetspot

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



56, 20.843, 167.755



74, 7.868, 170.133



56, 29.671, 131.543



39, 5.408, 170.012



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



56, 20.843, 167.755



70, 30.460, 166.880



55, 15.130, 210.413



30, 3.579, 170.233



50, 47.782, 157.032



2, 2.429, 170.986

Inverse Universe

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



46, 22.384, 354.464



56, 33.235, 355.517



47, 19.104, 31.467



28, 3.651, 351.738



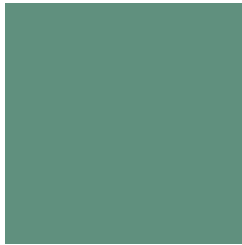
28, 53.006, 12.563



1, 2.430, 350.974

Previews

White Background



This preview shows how the CIELCh color 56, 20.842, 167.757 looks on a white background.

Color Contrast Check

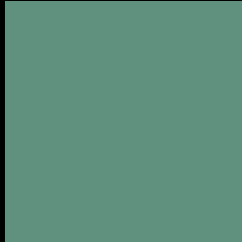
Large Text (above 18pt) WCAG AA ✓ Pass

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, 20.842, 167.757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

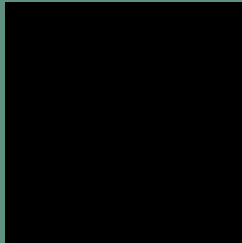
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 20.842, 167.757

Background



This preview shows how black text looks on a background with the CIELCh color 56, 20.842, 167.757.



This preview shows how white text looks on a background with the CIELCh color 56, 20.842, 167.757.

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, 20.842, 167.757

Protanopia

56, 7.809, 90.843

Deuteranopia

56, 7.708, 20.175



Tritanopia
56, 14.652, 226.476

Trichromacy



Original Color
56, 20.842, 167.757

Protanomaly
56, 10.283, 142.085

Deuteranomaly
55, 3.982, 139.641

Tritanomaly
56, 14.634, 202.560

Monochromacy



Original Color
56, 20.842, 167.757

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 8.147, 168.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 20.842, 167.757 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(96, 144, 126)` looks like.

```
.text, #text, p{  
    color:rgb(96, 144, 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(96, 144, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 144, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 20.842, 167.757 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(96, 144, 126) }
```

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

```
.border{ border-color:rgb(96, 144, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 144, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 144, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 144, 126);  
box-shadow:4px 4px 4px 4px rgb(96, 144,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 20.842, 167.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 144, 126) }
```

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

```
.background{ background-color: rgb(96, 144,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor