

Converting Colors

CIELCh(56, 18.844, 123.672)

Have a look what the booklet for
CIELCh(56, 18.844, 123.672)
contains.

CIELCh(56, 18.807, 123.434)	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, 18.807, 123.434)

Conversions

Conversions Part 1

Format	Color
Hex	7F8B6B
RGB	127, 139, 107
RGB Percent	50%, 55%, 42%
CMY	0.5032, 0.4562, 0.5816
CMYK	0.09, 0.00, 0.23, 0.46
HSL	83°, 13%, 48%
HSV	83°, 23%, 54%
XYZ	20.5266, 23.9124, 17.3570
YIQ	131.7640, 3.1200, -12.4960

Conversions

Conversions Part 2

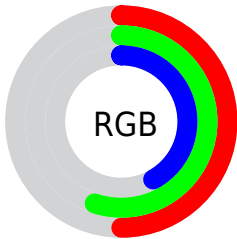
Format	Color
R_{YB}	107, 139, 119
Decimal	8358763
CIE _{Lab}	56.00, -10.36, 15.69
CIE _{LCh}	56, 18.807, 123.434
Yxy	23.9124, 0.3322, 0.3870
Android (android.graphics.Color)	4286548843 (0xFF7F8B6B)
YUV	131.7640, -12.2087, -4.1780
Hunter-Lab	48.9003, -10.6477, 13.1854

Details

The CIELCh color $56, 18.807, 123.434$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $47, 19.556, 305.856$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 18.767, 122.844$, and $36, 18.984, 122.644$ is the 20% darker color. If you saturate the color by 10%, you get $55, 26.853, 122.921$, and if you desaturate by 10%, it is $57, 10.668, 123.952$.

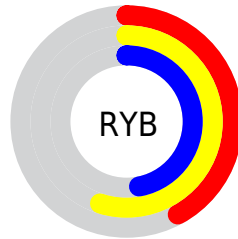
Distribution



Red (50%)

Green (55%)

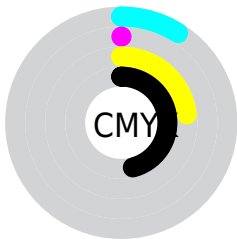
Blue (42%)



Red (42%)

Yellow (55%)

Blue (47%)

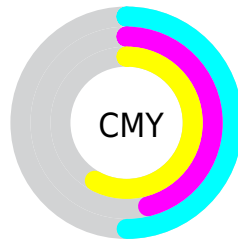


Cyan (9%)

Magenta (0%)

Yellow (23%)

Black (46%)



Cyan (50%)

Magenta (46%)

Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 18.807, 123.434 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, 18.807, 123.434 by changing the saturation by 10% instead.

 56, 18.807,
123.434

 56, 18.807,
123.434


 100, 18.807,
123.434


 46, 18.807,
123.434


 76, 18.807,
123.434

 36, 18.807,
123.434

 86, 18.807,
123.434

 26, 18.807,
123.434

 96, 18.807,
123.434

 16, 18.807,
123.434

 6, 18.807, 123.434

 0, 18.807, 123.434

■ 56, 18.807,
123.434

■ 56, 18.807,
123.434

■ 55, 26.853,
122.921

■ 57, 10.668,
123.952

■ 55, 34.711,
122.430

■ 57, 2.498, 124.468

■ 54, 42.246,
122.002

■ 58, 5.659, 304.907

■ 54, 49.263,
121.694

■ 59, 13.768,
305.356

■ 53, 55.491,
121.589

■ 60, 21.808,
305.768

■ 53, 60.596,
121.793

■ 61, 29.759,
306.147

■ 52, 64.271,
122.411

■ 62, 37.610,
306.494

■ 52, 66.359,

■ 63, 45.353,
306.811

122.935

■ 64, 52.981,
307.099

Harmonies

Complementary

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



56, 18.807, 123.434



47, 19.556, 305.856

Rectangle

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



56, 18.807, 123.434



56, 18.807, 173.434



56, 18.807, 303.434



56, 18.807, 353.434

Sweetspot

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



56, 18.808, 123.437



73, 7.101, 124.254



51, 11.063, 57.798



39, 4.650, 124.229



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



56, 18.808, 123.437



71, 28.329, 123.149



55, 21.509, 139.554



29, 4.579, 124.152



50, 64.206, 122.868



1, 2.131, 124.592

Inverse Universe

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



47, 19.556, 305.856



58, 29.760, 306.209



49, 21.654, 321.807



27, 4.654, 305.048



17, 78.547, 309.725



0, 2.131, 304.591

Previews

White Background



This preview shows how the CIE LCh color 56, 18.807, 123.434 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 CIE LCh color 56, 18.807, 123.434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

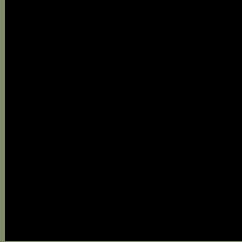
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

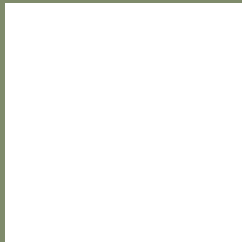
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 18.807, 123.434

Background



This preview shows how black text looks on a background with the CIELCh color 56, 18.807, 123.434.



This preview shows how white text looks on a background with the CIELCh color 56, 18.807, 123.434.

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, 18.807, 123.434

Protanopia

56, 17.481, 95.329

Deuteranopia

56, 16.416, 63.754



Tritanopia
56, 5.764, 283.285

Trichromacy



Original Color
56, 18.807, 123.434

Protanomaly
56, 17.570, 106.663

Deuteranomaly
56, 15.143, 88.683

Tritanomaly
56, 4.187, 144.248

Monochromacy



Original Color
56, 18.807, 123.434

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 7.164, 125.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 18.807, 123.434 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(127, 139, 107)` looks like.

```
.text, #text, p{  
    color:rgb(127, 139, 107)  
}
```

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(127, 139, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 139, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 18.807, 123.434 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(127, 139, 107) }
```

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

```
.border{ border-color:rgb(127, 139, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 139, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 139, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 139, 107);  
box-shadow:4px 4px 4px 4px rgb(127, 139,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 18.807, 123.434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 139, 107) }
```

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

```
.background{ background-color: rgb(127,  
139, 107) }
```

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