

Converting Colors

CIELCh(56, 25.746, 117.955)

Have a look what the booklet for
CIELCh(56, 25.746, 117.955)
contains.

CIELCh(56, 25.738, 117.708)	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, 25.738, 117.708)

Conversions

Conversions Part 1

Format	Color
Hex	808B5E
RGB	128, 139, 94
RGB Percent	50%, 55%, 37%
CMY	0.4975, 0.4544, 0.6309
CMYK	0.08, 0.00, 0.32, 0.45
HSL	75°, 19%, 46%
HSV	75°, 32%, 55%
XYZ	20.1989, 23.9124, 14.1696
YIQ	130.5810, 7.8890, -16.3270

Conversions

Conversions Part 2

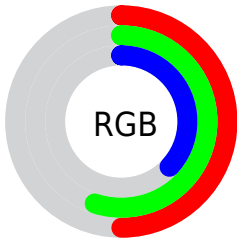
Format	Color
R_{YB}	94, 139, 105
Decimal	8424286
CIE _{Lab}	56.00, -11.97, 22.79
CIE _{LCh}	56, 25.738, 117.708
Yxy	23.9124, 0.3466, 0.4103
Android (android.graphics.Color)	4286614366 (0xFF808B5E)
YUV	130.5810, -18.0344, -2.2635
Hunter-Lab	48.9003, -11.8440, 17.0500

Details

The CIELCh color $56, 25.738, 117.708$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $43, 27.539, 302.100$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 25.394, 117.731$, and $36, 25.780, 117.717$ is the 20% darker color. If you saturate the color by 10%, you get $56, 33.410, 117.118$, and if you desaturate by 10%, it is $57, 17.873, 118.330$.

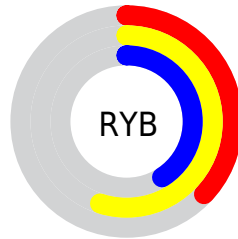
Distribution



Red (50%)

Green (55%)

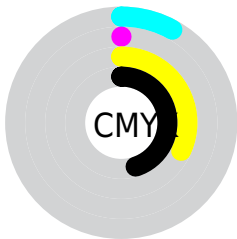
Blue (37%)



Red (37%)

Yellow (55%)

Blue (41%)

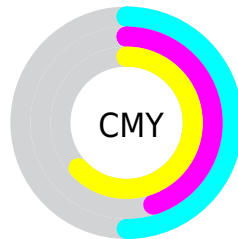


Cyan (8%)

Magenta (0%)

Yellow (32%)

Black (45%)



Cyan (50%)


Magenta (45%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 25.738, 117.708 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, 25.738, 117.708 by changing the saturation by 10% instead.


 56, 25.738,
117.708


 56, 25.738,
117.708


 100, 25.738,
117.708


 46, 25.738,
117.708


 76, 25.738,
117.708

 36, 25.738,
117.708

 86, 25.738,
117.708

 26, 25.738,
117.708

 96, 25.738,
117.708

 16, 25.738,
117.708

 6, 25.738, 117.708

 0, 25.738, 117.708

■ 56, 25.738,
117.708

■ 56, 25.738,
117.708

■ 56, 33.410,
117.118

■ 57, 17.873,
118.330

■ 55, 40.753,
116.587

■ 57, 9.899, 118.952

■ 55, 47.575,
116.167

■ 58, 1.879, 119.570

■ 58, 6.147, 300.142

■ 54, 53.606,
115.930

■ 59, 14.148,
300.702

■ 54, 58.509,
115.964

■ 60, 22.102,
301.229

■ 54, 61.965,
116.360

■ 61, 29.993,
301.722

■ 54, 63.999,
116.797

■ 62, 37.809,
302.182

■ 62, 45.541,
302.608

Harmonies

Complementary

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



56, 25.738, 117.708



43, 27.539, 302.100

Rectangle

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



56, 25.738, 117.708



56, 25.738, 167.708



56, 25.738, 297.708



56, 25.738, 347.708

Sweetspot

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



56, 25.739, 117.711



73, 9.940, 119.084



47, 16.631, 42.622



38, 6.834, 119.007



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, 25.739, 117.711



71, 38.242, 117.262



54, 28.991, 135.229



29, 4.486, 119.150



51, 61.788, 116.741



1, 2.090, 119.698

Inverse Universe

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



43, 27.539, 302.100



51, 41.692, 302.802



45, 29.582, 318.125



27, 4.571, 300.275



15, 80.370, 307.899



0, 2.090, 299.697

Previews

White Background



This preview shows how the CIELCh color 56, 25.738, 117.708 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, 25.738, 117.708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

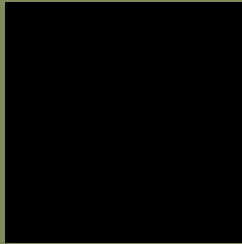
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 25.738, 117.708

Background



This preview shows how black text looks on a background with the CIELCh color 56, 25.738, 117.708.



This preview shows how white text looks on a background with the CIELCh color 56, 25.738, 117.708.

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, 25.738, 117.708

Protanopia

56, 24.260, 95.739

Deuteranopia

56, 23.093, 71.386



Tritanopia
56, 5.795, 298.466

Trichromacy



Original Color
56, 25.738, 117.708

Protanomaly
56, 24.277, 104.136

Deuteranomaly
56, 22.219, 89.113

Tritanomaly
56, 5.764, 117.514

Monochromacy



Original Color
56, 25.738, 117.708

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 9.289, 119.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 25.738, 117.708 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(128, 139, 94)` looks like.

```
.text, #text, p{  
    color:rgb(128, 139, 94)  
}
```

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(128, 139, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 139, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 25.738, 117.708 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(128, 139, 94) }
```

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

```
.border{ border-color:rgb(128, 139, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 139, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 139, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 139, 94);  
box-shadow:4px 4px 4px 4px rgb(128, 139,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 25.738, 117.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 139, 94) }
```

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

```
.background{ background-color: rgb(128,  
139, 94) }
```

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