

Converting Colors

CIELCh(56, 14.165, 144.200)

Have a look what the booklet for
CIELCh(56, 14.165, 144.200)
contains.

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Color

CIELCh(56, 14.216, 144.849)

Conversions

Conversions Part 1

Format	Color
Hex	778C78
RGB	119, 140, 120
RGB Percent	47%, 55%, 47%
CMY	0.5345, 0.4522, 0.5306
CMYK	0.15, 0.00, 0.14, 0.45
HSL	123°, 8%, 51%
HSV	123°, 15%, 55%
XYZ	20.2687, 23.9124, 21.2187
YIQ	131.4410, -6.0960, -10.6720

Conversions

Conversions Part 2

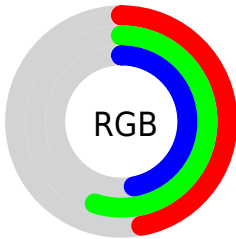
Format	Color
R_{YB}	119, 139, 140
Decimal	7834744
CIE _{Lab}	56.00, -11.62, 8.18
CIE _{LCh}	56, 14.216, 144.849
Yxy	23.9124, 0.3099, 0.3656
Android (android.graphics.Color)	4286024824 (0xFF778C78)
YUV	131.4410, -5.6404, -10.9108
Hunter-Lab	48.9003, -11.5889, 8.5032

Details

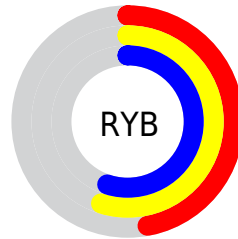
The CIELCh color $56, 14.216, 144.849$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $52, 14.236, 326.545$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 14.682, 144.925$, and $36, 14.147, 145.910$ is the 20% darker color. If you saturate the color by 10%, you get $55, 23.731, 144.109$, and if you desaturate by 10%, it is $57, 4.726, 145.506$.

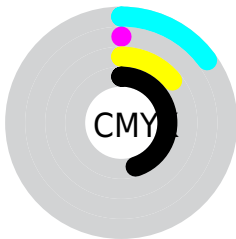
Distribution



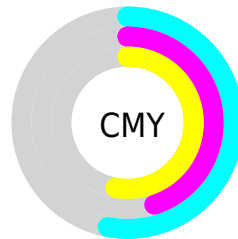
- Red (47%)
- Green (55%)
- Blue (47%)



- Red (47%)
- Yellow (55%)
- Blue (55%)



- Cyan (15%)
- Magenta (0%)
- Yellow (14%)
- Black (45%)



- Cyan (53%)
- Magenta (45%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 14.216, 144.849 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, 14.216, 144.849 by changing the saturation by 10% instead.

 56, 14.216,
144.849

 56, 14.216,
144.849

 100, 14.216,
144.849


 46, 14.216,
144.849


 76, 14.216,
144.849

 36, 14.216,
144.849

 86, 14.216,
144.849

 26, 14.216,
144.849

 96, 14.216,
144.849

 16, 14.216,
144.849

 6, 14.216, 144.849

 0, 14.216, 144.849

■ 56, 14.216,
144.849

■ 56, 14.216,
144.849

■ 55, 23.731,
144.109

■ 57, 4.726, 145.506

■ 54, 33.127,
143.256

■ 59, 4.641, 325.954

■ 53, 42.225,
142.280

■ 61, 13.811,
326.442

■ 52, 50.802,
141.189

■ 62, 22.737,
326.839

■ 51, 58.594,
140.012

■ 64, 31.393,
327.177

■ 51, 65.300,
138.815

■ 66, 39.765,
327.468


■ 51, 70.605,
137.701


■ 68, 47.852,
327.719

■ 50, 74.249,

■ 70, 55.660,
327.937

136.810

 72, 63.198,
328.127

 50, 75.548,
136.554

Harmonies

Complementary

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



56, 14.216, 144.849



52, 14.236, 326.545

Rectangle

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



56, 14.216, 144.849



56, 14.216, 194.849



56, 14.216, 324.849



56, 14.216, 14.849

Sweetspot

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



56, 14.217, 144.849



73, 5.806, 145.501



58, 11.879, 110.162



38, 3.995, 145.460



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, 14.217, 144.849



71, 21.068, 144.613



56, 9.959, 164.240



28, 5.258, 145.240



48, 72.689, 136.588



1, 2.431, 145.745

Inverse Universe

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



52, 14.236, 326.545



65, 21.092, 326.730



52, 10.176, 346.744



27, 5.267, 326.214



31, 68.575, 330.167



0, 2.431, 325.740

Previews

White Background



This preview shows how the CIELCh color 56, 14.216, 144.849 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, 14.216, 144.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

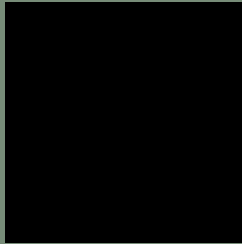
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

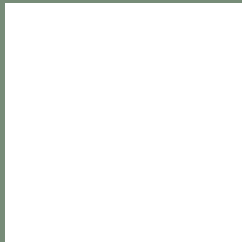
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 14.216, 144.849

Background



This preview shows how black text looks on a background with the CIELCh color 56, 14.216, 144.849.



This preview shows how white text looks on a background with the CIELCh color 56, 14.216, 144.849.

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](#).

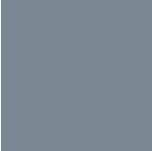
Dichromacy



Original Color
56, 14.216, 144.849

Protanopia
56, 9.993, 94.572

Deuteranopia
56, 9.987, 43.682



Tritanopia
56, 7.827, 252.910

Trichromacy



Original Color
56, 14.216, 144.849

Protanomaly
56, 10.383, 118.015

Deuteranomaly
56, 7.267, 89.538

Tritanomaly
56, 6.099, 198.863

Monochromacy



Original Color
56, 14.216, 144.849

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 4.902, 144.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 14.216, 144.849 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(119, 140, 120)` looks like.

```
.text, #text, p{  
    color:rgb(119, 140, 120)  
}
```

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(119, 140, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 140, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 14.216, 144.849 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(119, 140, 120) }
```

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

```
.border{ border-color:rgb(119, 140, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 140, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 140, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 140, 120);  
box-shadow:4px 4px 4px 4px rgb(119, 140,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 14.216, 144.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 140, 120) }
```

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

```
.background{ background-color: rgb(119,  
140, 120) }
```

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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