

Converting Colors

CIELCh(56, 7.775, 45.997)

Have a look what the booklet for
CIELCh(56, 7.775, 45.997) contains.

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Color

CIELCh(56, 7.775, 45.997)

Conversions

Conversions Part 1

Format	Color
Hex	94837D
RGB	148, 131, 125
RGB Percent	58%, 51%, 49%
CMY	0.4206, 0.4872, 0.5108
CMYK	0.00, 0.11, 0.16, 0.42
HSL	16°, 10%, 53%
HSV	16°, 16%, 58%
XYZ	23.9355, 23.9124, 22.6738
YIQ	135.3990, 12.0580, 1.7380

Conversions

Conversions Part 2

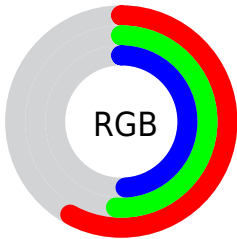
Format	Color
R_{YB}	148, 133, 125
Decimal	9732989
CIE _{Lab}	56.00, 5.40, 5.59
CIE _{LCh}	56, 7.775, 45.997
Yxy	23.9124, 0.3394, 0.3391
Android (android.graphics.Color)	4287923069 (0xFF94837D)
YUV	135.3990, -5.1267, 11.0511
Hunter-Lab	48.9003, 1.7957, 6.7391

Details

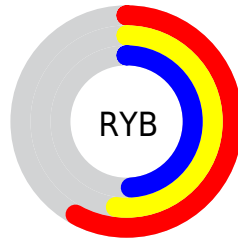
The CIELCh color $56, 7.775, 45.997$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $58, 7.099, 227.762$, and the grayscale version is $56, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 7.590, 44.856$, and $36, 7.750, 48.633$ is the 20% darker color. If you saturate the color by 10%, you get $53, 13.279, 45.686$, and if you desaturate by 10%, it is $59, 2.673, 46.337$.

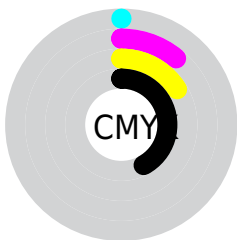
Distribution



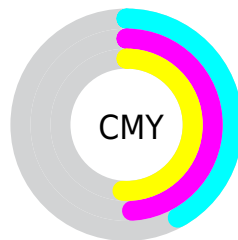
- Red (58%)
- Green (51%)
- Blue (49%)



- Red (58%)
- Yellow (52%)
- Blue (49%)



- Cyan (0%)
- Magenta (11%)
- Yellow (16%)
- Black (42%)



- Cyan (42%)
- Magenta (49%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 7.775, 45.997 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, 7.775, 45.997 by changing the saturation by 10% instead.

 56, 7.775, 45.997  56, 7.775, 45.997

 100, 7.775, 45.997  46, 7.775, 45.997

 76, 7.775, 45.997  36, 7.775, 45.997

 86, 7.775, 45.997  26, 7.775, 45.997

 96, 7.775, 45.997  16, 7.775, 45.997

 6, 7.775, 45.997

 0, 7.775, 45.997

 56, 7.775, 45.997  56, 7.775, 45.997

 53, 13.279, 45.686  59, 2.673, 46.337

 50, 19.219, 45.452  63, 2.062, 227.183

46, 25.612, 45.344

66, 6.470, 227.572

43, 32.450, 45.383

70, 10.588,
228.101

41, 39.672, 45.572

73, 14.451,
228.660

38, 47.118, 45.865

36, 54.414, 46.098

76, 18.090,
229.230

34, 60.860, 45.953

80, 21.532,
229.801

33, 63.713, 46.148

83, 24.802,
230.368

87, 27.385,
228.080

Harmonies

Complementary

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



56, 7.775, 45.997



58, 7.099, 227.762

Rectangle

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



56, 7.775, 45.997



56, 7.775, 95.997



56, 7.775, 225.997



56, 7.775, 275.997

Sweetspot

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



56, 7.774, 46.011



75, 2.961, 46.343



55, 13.401, 333.318



40, 2.041, 46.333



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, 7.774, 46.011



70, 11.892, 45.879



59, 9.995, 95.417



30, 2.756, 46.236



31, 60.177, 46.158



1, 2.337, 46.749

Inverse Universe

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



58, 7.099, 227.762



72, 10.595, 228.053



55, 10.099, 279.210



30, 2.618, 227.363



40, 29.094, 247.246



2, 2.337, 226.768

Previews

White Background



This preview shows how the CIELCh color 56, 7.775, 45.997 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, 7.775, 45.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

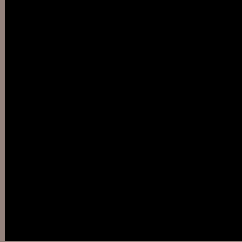
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 7.775, 45.997

Background



This preview shows how black text looks on a background with the CIELCh color 56, 7.775, 45.997.

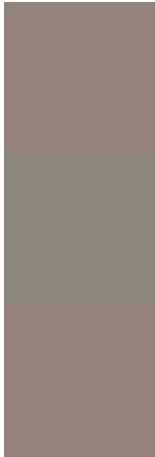


This preview shows how white text looks on a background with the CIELCh color 56, 7.775, 45.997.

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, 7.775, 45.997

Protanopia

56, 4.977, 85.621

Deuteranopia

56, 9.112, 38.346



Tritanopia
56, 10.097, 346.112

Trichromacy



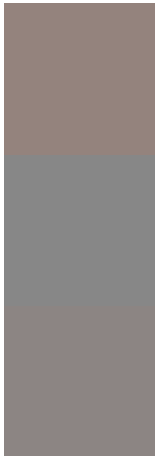
Original Color
56, 7.775, 45.997

Protanomaly
56, 5.404, 67.089

Deuteranomaly
56, 8.713, 39.174

Tritanomaly
56, 7.952, 3.598

Monochromacy



Original Color
56, 7.775, 45.997

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 3.013, 41.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 7.775, 45.997 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(148, 131, 125)` looks like.

```
.text, #text, p{  
    color:rgb(148, 131, 125)  
}
```

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(148, 131, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 131, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 7.775, 45.997 is called "border". The border property can be set on classes, ids or directly on the HTML element.

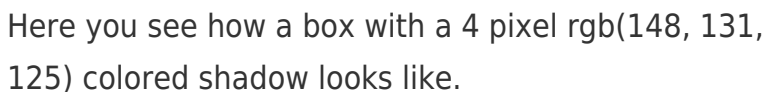
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 131, 125) }
```

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

```
.border{ border-color:rgb(148, 131, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(148, 131, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 131, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 131, 125); box-shadow:4px 4px 4px 4px rgb(148, 131, 125) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 7.775, 45.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 131, 125) }
```

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

```
.background{ background-color: rgb(148,  
131, 125) }
```

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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