

Converting Colors

CIELCh(56, 35.843, 77.804)

Have a look what the booklet for
CIELCh(56, 35.843, 77.804) contains.

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Color

CIELCh(56, 35.843, 77.804)

Conversions

Conversions Part 1

Format	Color
Hex	A58049
RGB	165, 128, 73
RGB Percent	65%, 50%, 29%
CMY	0.3530, 0.4981, 0.7138
CMYK	0.00, 0.22, 0.56, 0.35
HSL	36°, 39%, 47%
HSV	36°, 56%, 65%
XYZ	24.4326, 23.9124, 9.6285
YIQ	132.7930, 39.7070, -9.2610

Conversions

Conversions Part 2

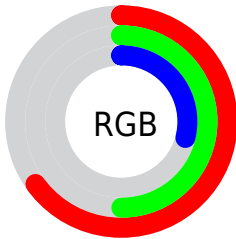
Format	Color
RYB	135, 165, 73
Decimal	10846281
CIELab	56.00, 7.57, 35.03
CIELCh	56, 35.843, 77.804
Yxy	23.9124, 0.4214, 0.4125
Android (android.graphics.Color)	4289036361 (0xFFA58049)
YUV	132.7930, -29.4779, 28.2455
Hunter-Lab	48.9003, 3.6102, 22.5560

Details

The CIELCh color **56, 35.843, 77.804** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **46, 33.758, 276.049**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 35.840, 78.154**, and **36, 35.749, 78.033** is the 20% darker color. If you saturate the color by 10%, you get **54, 42.520, 76.323**, and if you desaturate by 10%, it is **58, 29.098, 79.223**.

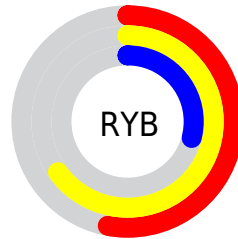
Distribution



Red (65%)

Green (50%)

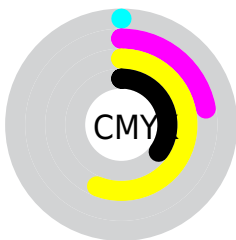
Blue (29%)



Red (53%)

Yellow (65%)

Blue (29%)

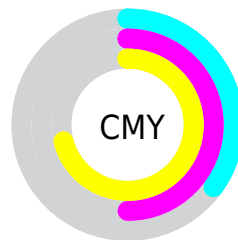


Cyan (0%)

Magenta (22%)

Yellow (56%)

Black (35%)



Cyan (35%)

Magenta (50%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 35.843, 77.804 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, 35.843, 77.804 by changing the saturation by 10% instead.

■ 56, 35.843, 77.804

■ 56, 35.843, 77.804

■ 100, 35.843,
77.804

■ 46, 35.843, 77.804

■ 76, 35.843, 77.804

■ 36, 35.843, 77.804

■ 86, 35.843, 77.804

■ 26, 35.843, 77.804

■ 96, 35.843, 77.804

■ 16, 35.843, 77.804

■ 6, 35.843, 77.804

■ 0, 35.843, 77.804

■ 56, 35.843, 77.804

■ 56, 35.843, 77.804

■ 54, 42.520, 76.323

■ 58, 29.098, 79.223

■ 52, 48.837, 74.704

■ 60, 22.434, 80.594

■ 50, 54.288, 72.826

■ 62, 15.924, 81.928

■ 49, 58.219, 70.489

■ 64, 9.594, 83.222

■ 48, 59.765, 69.509

■ 66, 3.450, 84.441

■ 69, 2.514, 265.839

■ 71, 8.312, 266.948

■ 73, 13.957,
268.066

■ 76, 19.462,
269.141

Harmonies

Complementary

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



56, 35.843, 77.804



46, 33.758, 276.049

Rectangle

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



56, 35.843, 77.804



56, 35.843, 127.804



56, 35.843, 257.804



56, 35.843, 307.804

Sweetspot

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



56, 35.843, 77.808



81, 12.829, 83.025



44, 42.262, 355.300



42, 8.591, 82.784



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



56, 35.843, 77.808



69, 53.592, 75.939



65, 48.588, 109.019



33, 3.378, 84.031



43, 54.429, 69.895



3, 4.952, 79.830

Inverse Universe

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



46, 33.758, 276.049



54, 50.421, 279.964



36, 56.660, 300.411



32, 3.352, 266.480



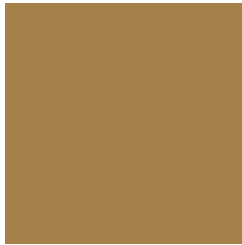
27, 56.117, 291.459



2, 5.405, 268.576

Previews

White Background



This preview shows how the CIELCh color 56, 35.843, 77.804 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, 35.843, 77.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

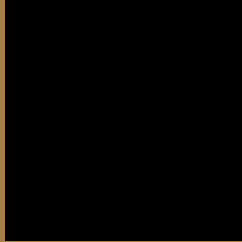
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 35.843, 77.804

Background



This preview shows how black text looks on a background with the CIELCh color 56, 35.843, 77.804.



This preview shows how white text looks on a background with the CIELCh color 56, 35.843, 77.804.

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, 35.843, 77.804

Protanopia

56, 34.033, 96.098

Deuteranopia

56, 35.843, 77.804



Tritanopia
56, 20.747, 6.055

Trichromacy



Original Color
56, 35.843, 77.804

Protanomaly
56, 34.182, 89.017

Deuteranomaly
56, 35.843, 77.804

Tritanomaly
56, 20.849, 43.434

Monochromacy



Original Color
56, 35.843, 77.804

Achromatopsia
56, 0.007, 296.813

Achromatomaly
55, 12.896, 81.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 35.843, 77.804 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(165, 128, 73)` looks like.

```
.text, #text, p{  
    color:rgb(165, 128, 73)  
}
```

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(165, 128, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 128, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 35.843, 77.804 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(165, 128, 73) }
```

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

```
.border{ border-color:rgb(165, 128, 73) }
```

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

Here you see how a box with a 4 pixel rgb(165, 128, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 128, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 128, 73);  
box-shadow:4px 4px 4px 4px rgb(165, 128,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 35.843, 77.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 128, 73) }
```

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

```
.background{ background-color: rgb(165,  
128, 73) }
```

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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