

Converting Colors

CIELCh(55, 58.997, 85.108)

Have a look what the booklet for
CIELCh(55, 58.997, 85.108) contains.

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Color

CIELCh(55, 58.931, 84.966)

Conversions

Conversions Part 1

Format	Color
Hex	A47E0B
RGB	164, 126, 11
RGB Percent	64%, 49%, 4%
CMY	0.3558, 0.5049, 0.9588
CMYK	0.00, 0.23, 0.94, 0.36
HSL	45°, 88%, 34%
HSV	45°, 94%, 64%
XYZ	22.9177, 22.9298, 3.5196
YIQ	124.2520, 59.5630, -27.7090

Conversions

Conversions Part 2

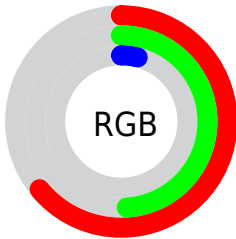
Format	Color
RYB	62, 164, 11
Decimal	10780171
CIELab	55.00, 5.17, 58.70
CIELCh	55, 58.931, 84.966
Yxy	22.9298, 0.4642, 0.4645
Android (android.graphics.Color)	4288970251 (0xFFA47E0B)
YUV	124.2520, -55.8332, 34.8590
Hunter-Lab	47.8851, 1.6305, 29.1617

Details

The CIELCh color **55, 58.931, 84.966** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **26, 73.785, 298.647**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 58.632, 84.748**, and **35, 44.250, 81.269** is the 20% darker color. If you saturate the color by 10%, you get **54, 60.422, 83.855**, and if you desaturate by 10%, it is **56, 55.675, 86.625**.

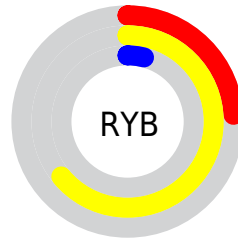
Distribution



Red (64%)

Green (49%)

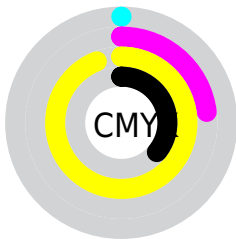
Blue (4%)



Red (24%)

Yellow (64%)

Blue (4%)

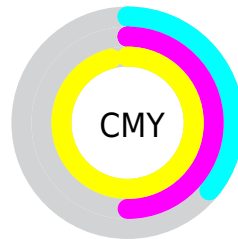


Cyan (0%)

Magenta (23%)

Yellow (94%)

Black (36%)



Cyan (36%)

Magenta (50%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 58.931, 84.966 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 55, 58.931, 84.966 by changing the saturation by 10% instead.

■ 55, 58.931, 84.966

■ 55, 58.931, 84.966

■ 100, 58.931,
84.966

■ 45, 58.931, 84.966

■ 75, 58.931, 84.966

■ 35, 58.931, 84.966

■ 85, 58.931, 84.966

■ 25, 58.931, 84.966

■ 95, 58.931, 84.966

■ 15, 58.931, 84.966

■ 5, 58.931, 84.966

■ 0, 58.931, 84.966

■ 55, 58.931, 84.966

■ 55, 58.931, 84.966

■ 54, 60.422, 83.855

■ 56, 55.675, 86.625

■ 57, 50.721, 88.102

■ 59, 44.653, 89.483

■ 60, 37.954, 90.813

■ 61, 30.942, 92.110

■ 63, 23.805, 93.378

■ 64, 16.653, 94.615

■ 65, 9.544, 95.815

■ 67, 2.507, 96.936

Harmonies

Complementary

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



55, 58.931, 84.966



26, 73.785, 298.647

Rectangle

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



55, 58.931, 84.966



55, 58.931, 134.966



55, 58.931, 264.966



55, 58.931, 314.966

Sweetspot

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



55, 58.930, 84.969



81, 24.572, 94.011



35, 61.930, 21.683



42, 16.960, 93.500



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



55, 58.930, 84.969



69, 73.505, 83.438



63, 70.794, 116.805



34, 3.935, 96.319



48, 55.279, 84.081



4, 5.772, 93.636

Inverse Universe

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



26, 73.785, 298.647



33, 97.941, 301.007



22, 90.721, 307.662



32, 3.966, 278.557



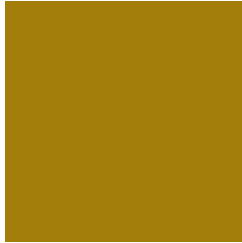
21, 71.478, 300.129



1, 6.271, 278.923

Previews

White Background



This preview shows how the CIELCh color 55, 58.931, 84.966 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 55, 58.931, 84.966 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 55, 58.931, 84.966

Background



This preview shows how black text looks on a background with the CIELCh color 55, 58.931, 84.966.



This preview shows how white text looks on a background with the CIELCh color 55, 58.931, 84.966.

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

55, 58.758, 84.936

Protanopia

55, 57.766, 95.047

Deuteranopia

55, 58.980, 83.041



Tritanopia
55, 22.412, 8.982

Trichromacy



Original Color
55, 58.758, 84.936

Protanomaly
55, 58.035, 91.189

Deuteranomaly
55, 58.975, 83.506

Tritanomaly
54, 30.725, 62.033

Monochromacy



Original Color
55, 58.758, 84.936

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 24.875, 92.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 58.931, 84.966 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(164, 126, 11)` looks like.

```
.text, #text, p{  
    color:rgb(164, 126, 11)  
}
```

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(164, 126, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 126, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 58.931, 84.966 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(164, 126, 11) }
```

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

```
.border{ border-color:rgb(164, 126, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 126, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 126, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 126, 11);  
box-shadow:4px 4px 4px 4px rgb(164, 126,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 58.931, 84.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 126, 11) }
```

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

```
.background{ background-color: rgb(164,  
126, 11) }
```

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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