

Converting Colors

CIELCh(60, 63.899, 59.833)

Have a look what the booklet for
CIELCh(60, 63.899, 59.833) contains.

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Color

CIELCh(60, 63.899, 59.833)

Conversions

Conversions Part 1

Format	Color
Hex	D8782C
RGB	216, 120, 44
RGB Percent	85%, 47%, 17%
CMY	0.1539, 0.5302, 0.8283
CMYK	0.00, 0.44, 0.80, 0.15
HSL	27°, 69%, 51%
HSV	27°, 80%, 85%
XYZ	35.3866, 28.1233, 5.9252
YIQ	140.0400, 81.6120, -3.2840

Conversions

Conversions Part 2

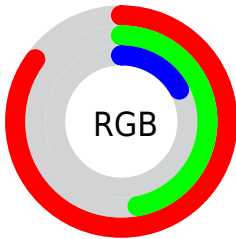
Format	Color
RYB	216, 180, 44
Decimal	14186540
CIELab	60.00, 32.11, 55.24
CIElCh	60, 63.899, 59.833
Yxy	28.1233, 0.5096, 0.4050
Android (android.graphics.Color)	4292376620 (0xFFD8782C)
YUV	140.0400, -47.3477, 66.6169
Hunter-Lab	53.0314, 26.3036, 30.4976

Details

The CIELCh color **60, 63.899, 59.833** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **56, 46.624, 268.731**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 56.252, 66.199**, and **40, 59.864, 57.337** is the 20% darker color. If you saturate the color by 10%, you get **57, 71.498, 58.101**, and if you desaturate by 10%, it is **63, 55.219, 61.133**.

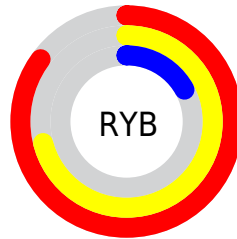
Distribution



Red (85%)

Green (47%)

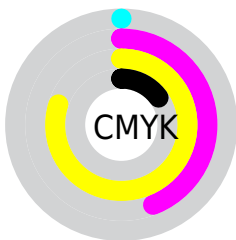
Blue (17%)



Red (85%)

Yellow (71%)

Blue (17%)

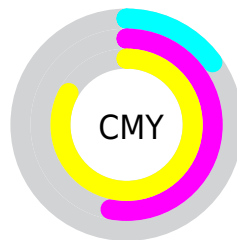


Cyan (0%)

Magenta (44%)

Yellow (80%)

Black (15%)



Cyan (15%)

Magenta (53%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 63.899, 59.833 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 60, 63.899, 59.833 by changing the saturation by 10% instead.

60, 63.899, 59.833

60, 63.899, 59.833

100, 63.899,
59.833

50, 63.899, 59.833

80, 63.899, 59.833

40, 63.899, 59.833

90, 63.899, 59.833

30, 63.899, 59.833

20, 63.899, 59.833

10, 63.899, 59.833

0, 63.899, 59.833

60, 63.899, 59.833

60, 63.899, 59.833

57, 71.498, 58.101

63, 55.219, 61.133

55, 77.227, 55.717

66, 46.291, 62.261

55, 77.397, 55.654

69, 37.537, 63.344

72, 29.144, 64.430

76, 21.179, 65.532

79, 13.649, 66.642

83, 6.534, 67.734

86, 0.202, 251.093

90, 6.594, 250.098

Harmonies

Complementary

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



60, 63.899, 59.833



56, 46.624, 268.731

Rectangle

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



60, 63.899, 59.833



60, 63.899, 109.833



60, 63.899, 239.833



60, 63.899, 289.833

Sweetspot

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



60, 63.897, 59.836



90, 19.289, 66.140



50, 72.096, 350.262



47, 13.390, 65.740



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 63.897, 59.836



65, 85.805, 56.337



81, 74.999, 99.628



43, 3.796, 67.765



44, 64.749, 56.305



9, 17.155, 52.405

Inverse Universe

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



56, 46.624, 268.731



60, 62.912, 276.862



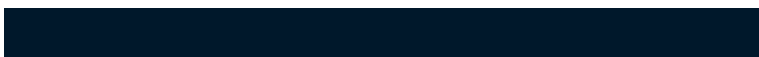
34, 96.661, 302.058



43, 3.681, 250.101



40, 47.302, 277.456



8, 15.780, 266.497

Previews

White Background



This preview shows how the CIELCh color 60, 63.899, 59.833 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 60, 63.899, 59.833 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 60, 63.899, 59.833

Background



This preview shows how black text looks on a background with the CIELCh color 60, 63.899, 59.833.



This preview shows how white text looks on a background with the CIELCh color 60, 63.899, 59.833.

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

60, 63.899, 59.833

Protanopia

60, 50.388, 95.435

Deuteranopia

60, 56.945, 82.536



Tritanopia
60, 45.075, 19.464

Trichromacy



Original Color
60, 63.899, 59.833

Protanomaly
60, 52.500, 80.163

Deuteranomaly
60, 58.328, 73.405

Tritanomaly
60, 49.048, 38.973

Monochromacy



Original Color
60, 63.899, 59.833

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 22.284, 65.002

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 63.899, 59.833 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(216, 120, 44)` looks like.

```
.text, #text, p{  
    color:rgb(216, 120, 44)  
}
```

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(216, 120, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 120, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 63.899, 59.833 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(216, 120, 44) }
```

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

```
.border{ border-color:rgb(216, 120, 44) }
```

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

Here you see how a box with a 4 pixel rgb(216, 120, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 120, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 120, 44);  
box-shadow:4px 4px 4px 4px rgb(216, 120,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 63.899, 59.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 120, 44) }
```

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

```
.background{ background-color: rgb(216,  
120, 44) }
```

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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