

Converting Colors

CIELCh(63, 59.702, 78.470)

Have a look what the booklet for
CIELCh(63, 59.702, 78.470) contains.

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Color

CIELCh(63, 59.792, 78.978)

Conversions

Conversions Part 1

Format	Color
Hex	C58F28
RGB	197, 143, 40
RGB Percent	77%, 56%, 16%
CMY	0.2282, 0.4399, 0.8439
CMYK	0.00, 0.27, 0.80, 0.23
HSL	39°, 66%, 46%
HSV	39°, 80%, 77%
XYZ	33.1487, 31.5869, 6.3398
YIQ	147.4040, 65.2470, -20.5850

Conversions

Conversions Part 2

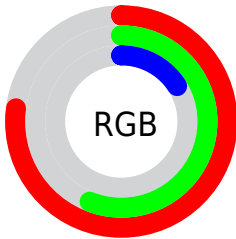
Format	Color
R_{YB}	122, 197, 40
Decimal	12947240
CIE _{Lab}	63.00, 11.43, 58.69
CIE _{LCh}	63, 59.792, 78.978
Yxy	31.5869, 0.4664, 0.4444
Android (android.graphics.Color)	4291137320 (0xFFC58F28)
YUV	147.4040, -52.9502, 43.4957
Hunter-Lab	56.2022, 6.9273, 32.6535

Details

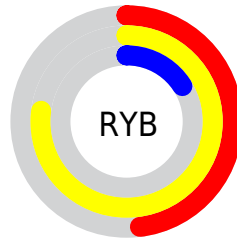
The CIELCh color **63, 59.792, 78.978** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **42, 62.123, 288.846**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 59.212, 80.159**, and **43, 52.343, 77.045** is the 20% darker color. If you saturate the color by 10%, you get **61, 64.759, 76.972**, and if you desaturate by 10%, it is **65, 53.244, 80.687**.

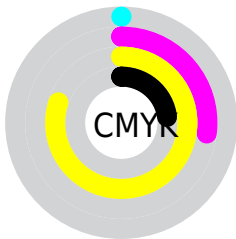
Distribution



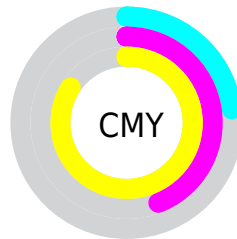
- Red (77%)
- Green (56%)
- Blue (16%)



- Red (48%)
- Yellow (77%)
- Blue (16%)



- Cyan (0%)
- Magenta (27%)
- Yellow (80%)
- Black (23%)



- Cyan (23%)
- Magenta (44%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 59.792, 78.978 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 63, 59.792, 78.978 by changing the saturation by 10% instead.

63, 59.792, 78.978

63, 59.792, 78.978

100, 59.792,
78.978

53, 59.792, 78.978

83, 59.792, 78.978

43, 59.792, 78.978

93, 59.792, 78.978

33, 59.792, 78.978

23, 59.792, 78.978

13, 59.792, 78.978

3, 59.792, 78.978

0, 59.792, 78.978

63, 59.792, 78.978

63, 59.792, 78.978

61, 64.759, 76.972

65, 53.244, 80.687

60, 67.812, 74.572

67, 45.841, 82.232

60, 67.881, 74.518

69, 38.068, 83.689

71, 30.203, 85.092

73, 22.394, 86.453

75, 14.711, 87.771

77, 7.185, 89.037

79, 0.174, 271.718

82, 7.371, 271.534

Harmonies

Complementary

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



63, 59.792, 78.978



42, 62.123, 288.846

Rectangle

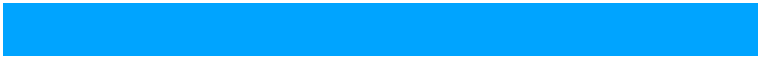
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 59.792, 78.978



63, 59.792, 128.978



63, 59.792, 258.978



63, 59.792, 308.978

Sweetspot

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



63, 59.791, 78.981



93, 22.149, 87.171



44, 63.493, 7.234



49, 15.276, 86.691



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 59.791, 78.981



76, 81.472, 75.087



75, 74.091, 111.308



41, 4.204, 89.084



50, 59.086, 74.958



9, 13.847, 77.432

Inverse Universe

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



42, 62.123, 288.846



46, 93.997, 295.345



31, 94.362, 305.508



39, 4.198, 271.541



28, 68.209, 295.653



4, 16.499, 280.456

Previews

White Background



This preview shows how the CIELCh color 63, 59.792, 78.978 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 63, 59.792, 78.978 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 ✓ Pass

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

CIELCh 63, 59.792, 78.978

Background



This preview shows how black text looks on a background with the CIELCh color 63, 59.792, 78.978.



This preview shows how white text looks on a background with the CIELCh color 63, 59.792, 78.978.

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

63, 59.792, 78.978

Protanopia

63, 57.217, 95.541

Deuteranopia

63, 59.344, 82.166



Tritanopia
63, 28.806, 11.602

Trichromacy



Original Color
63, 59.792, 78.978

Protanomaly
63, 57.432, 89.376

Deuteranomaly
63, 59.606, 80.807

Tritanomaly
63, 34.083, 52.446

Monochromacy



Original Color
63, 59.792, 78.978

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 22.480, 85.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 59.792, 78.978 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(197, 143, 40)` looks like.

```
.text, #text, p{  
    color:rgb(197, 143, 40)  
}
```

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(197, 143, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 143, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 59.792, 78.978 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(197, 143, 40) }
```

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

```
.border{ border-color:rgb(197, 143, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 143, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 143, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 143, 40);  
box-shadow:4px 4px 4px 4px rgb(197, 143,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 59.792, 78.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 143, 40) }
```

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

```
.background{ background-color: rgb(197,  
143, 40) }
```

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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