

Converting Colors

CIELCh(62, 68.752, 78.971)

Have a look what the booklet for
CIELCh(62, 68.752, 78.971) contains.

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Color

CIELCh(62, 68.478, 78.839)

Conversions

Conversions Part 1

Format	Color
Hex	C68B00
RGB	198, 139, 0
RGB Percent	78%, 55%, 0%
CMY	0.2242, 0.4555, 1.0000
CMYK	0.00, 0.30, 1.00, 0.22
HSL	42°, 100%, 39%
HSV	42°, 100%, 78%
XYZ	32.4510, 30.4025, 4.1487
YIQ	140.7950, 79.7830, -30.7210

Conversions

Conversions Part 2

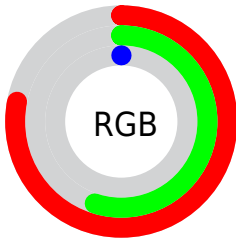
Format	Color
R _Y B	84, 198, 0
Decimal	13011712
CIE Lab	62.00, 13.26, 67.18
CIE LCh	62, 68.478, 78.839
Yxy	30.4025, 0.4843, 0.4538
Android (android.graphics.Color)	4291201792 (0xFFC68B00)
YUV	140.7950, -69.4119, 50.1688
Hunter-Lab	55.1385, 8.5613, 34.1359

Details

The CIELCh color **62, 68.478, 78.839** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **32, 85.678, 298.609**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 67.309, 80.138**, and **42, 52.529, 73.925** is the 20% darker color. If you saturate the color by 10%, you get **62, 68.431, 78.831**, and if you desaturate by 10%, it is **64, 65.785, 80.995**.

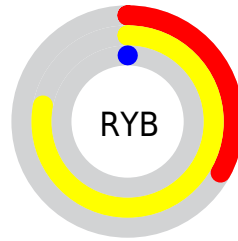
Distribution



Red (78%)

Green (55%)

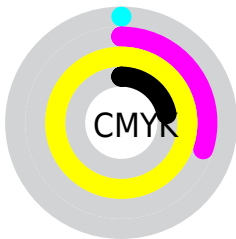
Blue (0%)



Red (33%)

Yellow (78%)

Blue (0%)

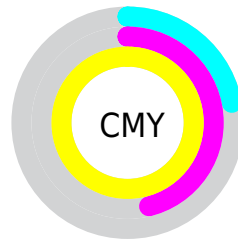


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 68.478, 78.839 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 62, 68.478, 78.839 by changing the saturation by 10% instead.

62, 68.478, 78.839

62, 68.478, 78.839

100, 68.478,
78.839

52, 68.478, 78.839

82, 68.478, 78.839

42, 68.478, 78.839

92, 68.478, 78.839

32, 68.478, 78.839

22, 68.478, 78.839

12, 68.478, 78.839

2, 68.478, 78.839

0, 68.478, 78.839

62, 68.478, 78.839

62, 68.478, 78.839

62, 68.431, 78.831

64, 65.785, 80.995

65, 61.174, 82.853

67, 54.841, 84.471

68, 47.500, 85.958

70, 39.660, 87.373

72, 31.630, 88.741

74, 23.579, 90.071

76, 15.598, 91.362

78, 7.729, 92.603

Harmonies

Complementary

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



62, 68.478, 78.839



32, 85.678, 298.609

Rectangle

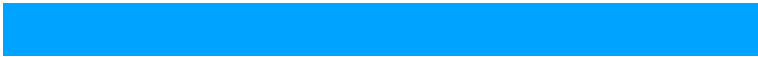
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62, 68.478, 78.839



62, 68.478, 128.839



62, 68.478, 258.839



62, 68.478, 308.839

Sweetspot

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



62, 68.431, 78.831



93, 28.985, 90.012



42, 72.545, 21.407



48, 19.831, 89.447



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 68.431, 78.831



78, 82.787, 78.407



75, 82.167, 114.757



41, 4.400, 92.676



52, 59.369, 79.220



10, 14.423, 82.713

Inverse Universe

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



32, 85.678, 298.609



42, 105.320, 299.114



25, 108.920, 307.227



39, 4.414, 275.065



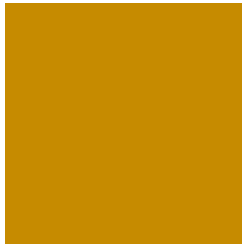
26, 73.220, 298.126



3, 17.165, 282.458

Previews

White Background



This preview shows how the CIELCh color 62, 68.478, 78.839 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 62, 68.478, 78.839 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 62, 68.478, 78.839

Background



This preview shows how black text looks on a background with the CIELCh color 62, 68.478, 78.839.



This preview shows how white text looks on a background with the CIELCh color 62, 68.478, 78.839.

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

62, 68.478, 78.839

Protanopia

62, 64.467, 95.143

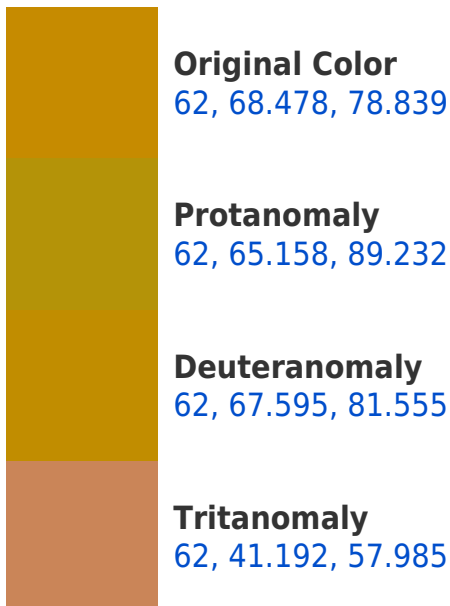
Deuteranopia

62, 67.130, 83.129



Tritanopia
62, 30.987, 12.700

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 68.478, 78.839 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(198, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 139, 0)  
}
```

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(198, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 139, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 68.478, 78.839 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(198, 139, 0) }
```

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

```
.border{ border-color:rgb(198, 139, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 139,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 68.478, 78.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 139, 0) }
```

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

```
.background{ background-color: rgb(198,  
139, 0) }
```

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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