

Converting Colors

CIELCh(62, 65.030, 76.670)

Have a look what the booklet for
CIELCh(62, 65.030, 76.670) contains.

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Color

CIELCh(62, 65.221, 76.712)

Conversions

Conversions Part 1

Format	Color
Hex	C88A16
RGB	200, 138, 22
RGB Percent	78%, 54%, 9%
CMY	0.2168, 0.4598, 0.9151
CMYK	0.00, 0.31, 0.89, 0.22
HSL	39°, 80%, 43%
HSV	39°, 89%, 78%
XYZ	32.9369, 30.4025, 4.8729
YIQ	143.3140, 74.1880, -22.9320

Conversions

Conversions Part 2

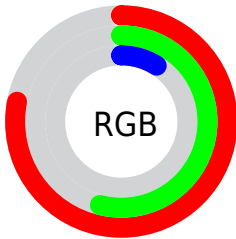
Format	Color
RYB	117, 200, 22
Decimal	13142550
CIELab	62.00, 14.99, 63.47
CIElCh	62, 65.221, 76.712
Yxy	30.4025, 0.4829, 0.4457
Android (android.graphics.Color)	4291332630 (0xFFC88A16)
YUV	143.3140, -59.8078, 49.7136
Hunter-Lab	55.1385, 10.1345, 33.3571

Details

The CIELCh color **62, 65.221, 76.712** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **39, 70.545, 292.062**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 63.637, 78.680**, and **42, 53.101, 72.393** is the 20% darker color. If you saturate the color by 10%, you get **60, 68.375, 74.294**, and if you desaturate by 10%, it is **64, 60.055, 78.716**.

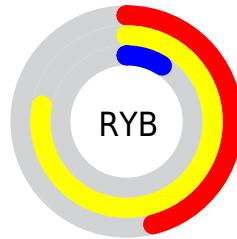
Distribution



Red (78%)

Green (54%)

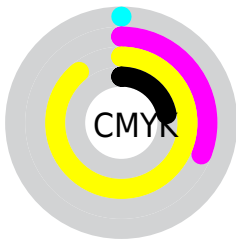
Blue (9%)



Red (46%)

Yellow (78%)

Blue (9%)

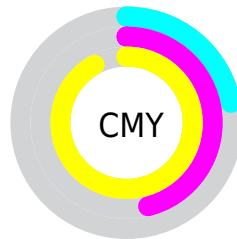


Cyan (0%)

Magenta (31%)

Yellow (89%)

Black (22%)



Cyan (22%)

Magenta (46%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 65.221, 76.712 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, 65.221, 76.712 by changing the saturation by 10% instead.

■ 62, 65.221, 76.712

■ 62, 65.221, 76.712

■ 100, 65.221,
76.712

■ 52, 65.221, 76.712

■ 82, 65.221, 76.712

■ 42, 65.221, 76.712

■ 92, 65.221, 76.712

■ 32, 65.221, 76.712

■ 22, 65.221, 76.712

■ 12, 65.221, 76.712

■ 2, 65.221, 76.712

■ 0, 65.221, 76.712

■ 62, 65.221, 76.712

■ 62, 65.221, 76.712

■ 60, 68.375, 74.294

■ 64, 60.055, 78.716

60, 68.627, 74.094

66, 53.345, 80.419

68, 45.814, 81.962

70, 37.939, 83.420

72, 29.991, 84.823

74, 22.110, 86.185

76, 14.366, 87.504

78, 6.787, 88.769

81, 0.621, 270.450

Harmonies

Complementary

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



62, 65.221, 76.712



39, 70.545, 292.062

Rectangle

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



62, 65.221, 76.712



62, 65.221, 126.712



62, 65.221, 256.712



62, 65.221, 306.712

Sweetspot

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



62, 65.220, 76.715



93, 24.912, 86.422



43, 68.200, 11.293



48, 16.849, 85.958



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, 65.220, 76.715



75, 82.496, 73.619



76, 79.155, 111.441



41, 4.187, 88.742



50, 59.080, 74.572



9, 13.801, 76.931

Inverse Universe

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



39, 70.545, 292.062



45, 97.562, 296.509



28, 104.070, 306.387



39, 4.180, 271.205



28, 67.750, 295.409



4, 16.437, 280.258

Previews

White Background



This preview shows how the CIELCh color 62, 65.221, 76.712 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, 65.221, 76.712 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, 65.221, 76.712

Background



This preview shows how black text looks on a background with the CIELCh color 62, 65.221, 76.712.



This preview shows how white text looks on a background with the CIELCh color 62, 65.221, 76.712.

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, 65.221, 76.712

Protanopia

62, 61.734, 95.537

Deuteranopia

62, 64.501, 82.646



Tritanopia
62, 32.249, 13.280

Trichromacy



Original Color
62, 65.221, 76.712

Protanomaly
62, 61.947, 88.422

Deuteranomaly
62, 64.680, 80.049

Tritanomaly
62, 38.965, 52.201

Monochromacy



Original Color
62, 65.221, 76.712

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 25.734, 84.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 65.221, 76.712 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(200, 138, 22)` looks like.

```
.text, #text, p{  
    color:rgb(200, 138, 22)  
}
```

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(200, 138, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 138, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 65.221, 76.712 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(200, 138, 22) }
```

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

```
.border{ border-color:rgb(200, 138, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 138, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 138, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 138, 22);  
box-shadow:4px 4px 4px 4px rgb(200, 138,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 65.221, 76.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 138, 22) }
```

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

```
.background{ background-color: rgb(200,  
138, 22) }
```

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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