

Converting Colors

CIELCh(58, 64.872, 79.950)

Have a look what the booklet for
CIELCh(58, 64.872, 79.950) contains.

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Color

CIELCh(58, 64.690, 79.772)

Conversions

Conversions Part 1

Format	Color
Hex	B78200
RGB	183, 130, 0
RGB Percent	72%, 51%, 0%
CMY	0.2831, 0.4909, 1.0000
CMYK	0.00, 0.29, 1.00, 0.28
HSL	43°, 100%, 36%
HSV	43°, 100%, 72%
XYZ	27.4381, 25.9610, 3.5552
YIQ	131.0270, 73.3180, -29.1940

Conversions

Conversions Part 2

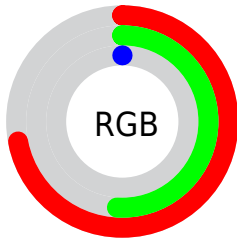
Format	Color
R_{YB}	75, 183, 0
Decimal	12026368
CIE _{Lab}	58.00, 11.49, 63.66
CIE _{LCh}	58, 64.690, 79.772
Yxy	25.9610, 0.4818, 0.4558
Android (android.graphics.Color)	4290216448 (0xFFB78200)
YUV	131.0270, -64.5963, 45.5803
Hunter-Lab	50.9519, 6.9582, 31.5293

Details

The CIELCh color **58, 64.690, 79.772** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **29, 81.310, 298.826**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 64.814, 79.802**, and **38, 48.657, 74.966** is the 20% darker color. If you saturate the color by 10%, you get **58, 64.635, 79.762**, and if you desaturate by 10%, it is **59, 62.018, 81.825**.

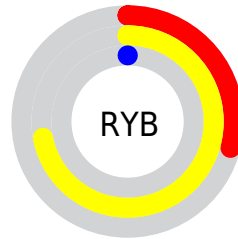
Distribution



Red (72%)

Green (51%)

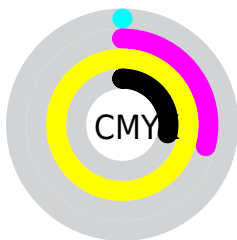
Blue (0%)



Red (29%)

Yellow (72%)

Blue (0%)

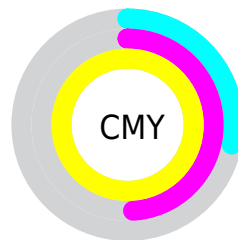


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 64.690, 79.772 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 58, 64.690, 79.772 by changing the saturation by 10% instead.

 58, 64.690, 79.772

 58, 64.690, 79.772

 100, 64.690,
79.772

 48, 64.690, 79.772

 78, 64.690, 79.772

 38, 64.690, 79.772

 88, 64.690, 79.772

 28, 64.690, 79.772

 98, 64.690, 79.772

 18, 64.690, 79.772

 8, 64.690, 79.772

 0, 64.690, 79.772

 58, 64.690, 79.772

 58, 64.690, 79.772

 58, 64.635, 79.762

 59, 62.018, 81.825

 61, 57.652, 83.624

62, 51.692, 85.204

64, 44.793, 86.665

66, 37.421, 88.060

67, 29.862, 89.412

69, 22.274, 90.726

71, 14.743, 92.002

72, 7.309, 93.229

Harmonies

Complementary

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



58, 64.690, 79.772



29, 81.310, 298.826

Rectangle

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



58, 64.690, 79.772



58, 64.690, 129.772



58, 64.690, 259.772



58, 64.690, 309.772

Sweetspot

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



58, 64.635, 79.762



87, 27.531, 90.661



38, 68.273, 21.063



46, 18.983, 90.113



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



58, 64.635, 79.762



74, 78.487, 79.313



69, 77.451, 114.697



38, 4.153, 93.308



50, 57.413, 80.095



7, 10.133, 85.179

Inverse Universe

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



29, 81.310, 298.826



38, 100.489, 299.376



23, 102.640, 307.263



36, 4.170, 275.658



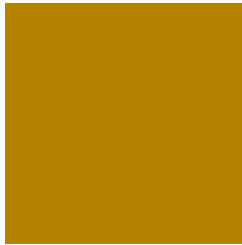
25, 71.261, 298.401



2, 12.241, 279.789

Previews

White Background



This preview shows how the CIELCh color 58, 64.690, 79.772 looks on a white background.

Color Contrast Check

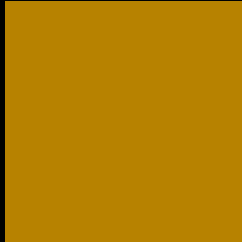
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 64.690, 79.772 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 58, 64.690, 79.772

Background



This preview shows how black text looks on a background with the CIELCh color 58, 64.690, 79.772.



This preview shows how white text looks on a background with the CIELCh color 58, 64.690, 79.772.

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

58, 64.690, 79.772

Protanopia

58, 60.908, 95.024

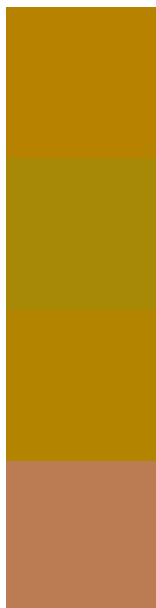
Deuteranopia

58, 63.791, 83.613



Tritanopia
58, 28.433, 12.617

Trichromacy



Original Color
58, 64.690, 79.772

Protanomaly
58, 61.565, 89.120

Deuteranomaly
58, 64.053, 82.318

Tritanomaly
58, 37.997, 58.027

Monochromacy



Original Color
58, 64.690, 79.772

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 28.561, 89.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 64.690, 79.772 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(183, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 130, 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(183, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 130, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 64.690, 79.772 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(183, 130, 0) }
```

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

```
.border{ border-color:rgb(183, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 130,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 64.690, 79.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 130, 0) }
```

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

```
.background{ background-color: rgb(183,  
130, 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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