

Converting Colors

CIELCh(62, 67.130, 83.129)

Have a look what the booklet for
CIELCh(62, 67.130, 83.129) contains.

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Color

CIELCh(62, 66.982, 83.104)

Conversions

Conversions Part 1

Format	Color
Hex	BE8E02
RGB	190, 142, 2
RGB Percent	75%, 56%, 1%
CMY	0.2538, 0.4422, 0.9940
CMYK	0.00, 0.25, 0.99, 0.25
HSL	45°, 98%, 38%
HSV	45°, 99%, 75%
XYZ	31.0204, 30.4025, 4.2768
YIQ	140.3920, 73.5480, -33.3640

Conversions

Conversions Part 2

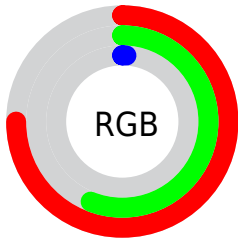
Format	Color
RYB	66, 190, 2
Decimal	12488194
CIELab	62.00, 8.04, 66.50
CIELCh	62, 66.982, 83.104
Yxy	30.4025, 0.4722, 0.4627
Android (android.graphics.Color)	4290678274 (0xFFBE8E02)
YUV	140.3920, -68.2273, 43.5062
Hunter-Lab	55.1385, 3.9301, 33.9982

Details

The CIELCh color **62, 66.982, 83.104** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **29, 87.462, 300.271**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 66.631, 82.805**, and **42, 50.627, 79.780** is the 20% darker color. If you saturate the color by 10%, you get **62, 67.164, 82.959**, and if you desaturate by 10%, it is **63, 64.521, 84.963**.

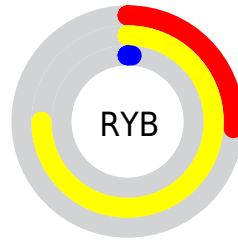
Distribution



Red (75%)

Green (56%)

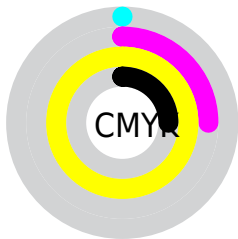
Blue (1%)



Red (26%)

Yellow (75%)

Blue (1%)

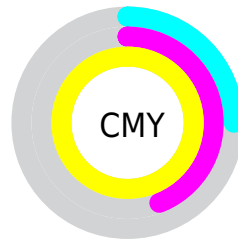


Cyan (0%)

Magenta (25%)

Yellow (99%)

Black (25%)



Cyan (25%)

Magenta (44%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 66.982, 83.104 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, 66.982, 83.104 by changing the saturation by 10% instead.

62, 66.982, 83.104

62, 66.982, 83.104

100, 66.982,
83.104

52, 66.982, 83.104

82, 66.982, 83.104

42, 66.982, 83.104

92, 66.982, 83.104

32, 66.982, 83.104

22, 66.982, 83.104

12, 66.982, 83.104

2, 66.982, 83.104

0, 66.982, 83.104

62, 66.982, 83.104

62, 66.982, 83.104

62, 67.164, 82.959

63, 64.521, 84.963

65, 60.081, 86.595

66, 53.955, 88.069

67, 46.799, 89.459

69, 39.097, 90.801

71, 31.148, 92.110

72, 23.126, 93.388

74, 15.126, 94.632

75, 7.199, 95.829

Harmonies

Complementary

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



62, 66.982, 83.104



29, 87.462, 300.271

Rectangle

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



62, 66.982, 83.104



62, 66.982, 133.104



62, 66.982, 263.104



62, 66.982, 313.104

Sweetspot

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



62, 66.981, 83.107



91, 29.419, 93.226



40, 71.292, 23.776



48, 20.267, 92.682



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



62, 66.981, 83.107



79, 81.699, 82.583



72, 80.278, 116.467



39, 4.406, 95.812



52, 58.623, 83.280



8, 12.062, 88.189

Inverse Universe

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



29, 87.462, 300.271



38, 109.033, 300.969



25, 104.885, 307.529



37, 4.437, 278.108



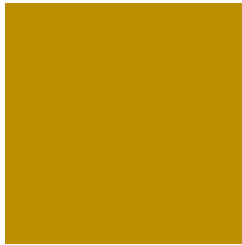
24, 75.836, 300.052



2, 14.342, 282.185

Previews

White Background



This preview shows how the CIELCh color 62, 66.982, 83.104 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 CIELCh color 62, 66.982, 83.104 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, 66.982, 83.104

Background



This preview shows how black text looks on a background with the CIELCh color 62, 66.982, 83.104.



This preview shows how white text looks on a background with the CIELCh color 62, 66.982, 83.104.

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, 66.835, 83.078

Protanopia

62, 64.548, 95.555

Deuteranopia

62, 67.130, 83.129



Tritanopia
62, 26.825, 10.521

Trichromacy



Original Color
62, 66.835, 83.078

Protanomaly
62, 64.996, 90.911

Deuteranomaly
62, 66.982, 83.104

Tritanomaly
62, 37.418, 62.055

Monochromacy



Original Color
62, 66.835, 83.078

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 29.644, 91.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 66.982, 83.104 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(190, 142, 2)` looks like.

```
.text, #text, p{  
    color:rgb(190, 142, 2)  
}
```

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(190, 142, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 142, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 66.982, 83.104 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(190, 142, 2) }
```

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

```
.border{ border-color:rgb(190, 142, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 142, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 142, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 142, 2);  
box-shadow:4px 4px 4px 4px rgb(190, 142,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 66.982, 83.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 142, 2) }
```

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

```
.background{ background-color: rgb(190,  
142, 2) }
```

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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