

Converting Colors

CIELCh(64, 64.498, 91.910)

Have a look what the booklet for
CIELCh(64, 64.498, 91.910) contains.

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Color

CIELCh(64, 64.708, 92.010)

Conversions

Conversions Part 1

Format	Color
Hex	B59A13
RGB	181, 154, 19
RGB Percent	71%, 60%, 7%
CMY	0.2919, 0.3976, 0.9241
CMYK	0.00, 0.15, 0.89, 0.29
HSL	50°, 81%, 39%
HSV	50°, 89%, 71%
XYZ	30.5655, 32.8017, 5.3521
YIQ	146.6830, 59.4270, -36.2610

Conversions

Conversions Part 2

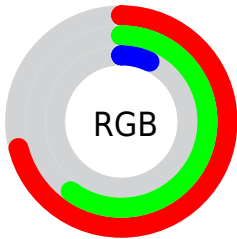
Format	Color
R _Y B	51, 181, 19
Decimal	11901459
CIE Lab	64.00, -2.27, 64.67
CIE LCh	64, 64.708, 92.010
Yxy	32.8017, 0.4448, 0.4773
Android (android.graphics.Color)	4290091539 (0xFFB59A13)
YUV	146.6830, -62.9477, 30.0960
Hunter-Lab	57.2727, -4.9650, 34.5503

Details

The CIELCh color **64, 64.708, 92.010** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **28, 84.018, 300.862**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 64.981, 91.875**, and **44, 51.001, 90.957** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.871, 90.779**, and if you desaturate by 10%, it is **65, 60.672, 93.197**.

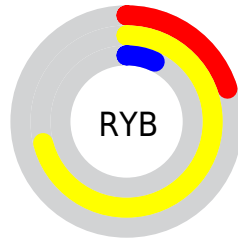
Distribution



Red (71%)

Green (60%)

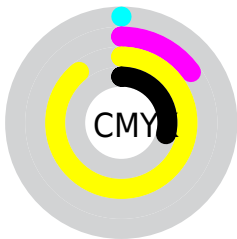
Blue (7%)



Red (20%)

Yellow (71%)

Blue (7%)

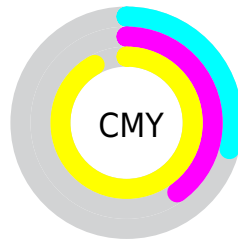


Cyan (0%)

Magenta (15%)

Yellow (89%)

Black (29%)



Cyan (29%)

Magenta (40%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 64.708, 92.010 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 64, 64.708, 92.010 by changing the saturation by 10% instead.

■ 64, 64.708, 92.010

■ 64, 64.708, 92.010

■ 100, 64.708,
92.010

■ 54, 64.708, 92.010

■ 84, 64.708, 92.010

■ 44, 64.708, 92.010

■ 94, 64.708, 92.010

■ 34, 64.708, 92.010

■ 24, 64.708, 92.010

■ 14, 64.708, 92.010

■ 4, 64.708, 92.010

■ 0, 64.708, 92.010

■ 64, 64.708, 92.010

■ 64, 64.708, 92.010

■ 63, 66.871, 90.779

■ 65, 60.672, 93.197

63, 67.015, 90.692

66, 54.902, 94.361

67, 47.971, 95.526

68, 40.345, 96.696

69, 32.339, 97.866

70, 24.148, 99.027

71, 15.888,
100.169

72, 7.626, 101.280

74, 0.598, 282.600

Harmonies

Complementary

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



64, 64.708, 92.010



28, 84.018, 300.862

Rectangle

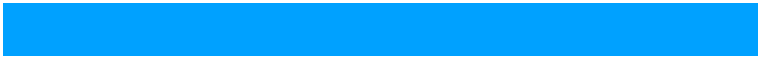
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 64.708, 92.010



64, 64.708, 142.010



64, 64.708, 272.010



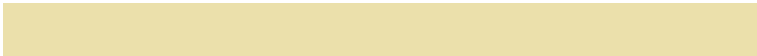
64, 64.708, 322.010

Sweetspot

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



64, 64.707, 92.012



89, 27.546, 99.237



39, 66.836, 25.214



47, 18.545, 98.851



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 64.707, 92.012



80, 81.410, 90.456



68, 76.057, 119.712



37, 4.610, 101.276



54, 59.374, 90.870



7, 10.330, 97.918

Inverse Universe

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



28, 84.018, 300.862



33, 114.910, 303.768



27, 94.088, 308.631



35, 4.672, 283.394



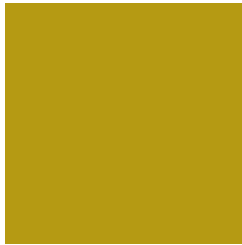
20, 81.676, 303.086



1, 11.642, 284.352

Previews

White Background



This preview shows how the CIELCh color 64, 64.708, 92.010 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 64, 64.708, 92.010 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 64, 64.708, 92.010

Background



This preview shows how black text looks on a background with the CIELCh color 64, 64.708, 92.010.



This preview shows how white text looks on a background with the CIELCh color 64, 64.708, 92.010.

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

64, 64.913, 92.021

Protanopia

64, 64.680, 95.363

Deuteranopia

64, 64.511, 82.548



Tritanopia
64, 19.113, 2.874

Trichromacy



Original Color
64, 64.913, 92.021

Protanomaly
64, 64.576, 94.093

Deuteranomaly
64, 64.235, 85.937

Tritanomaly
64, 29.246, 71.885

Monochromacy



Original Color
64, 64.913, 92.021

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 27.501, 98.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 64.708, 92.010 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(181, 154, 19)` looks like.

```
.text, #text, p{  
    color:rgb(181, 154, 19)  
}
```

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(181, 154, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 154, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 64.708, 92.010 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(181, 154, 19) }
```

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

```
.border{ border-color:rgb(181, 154, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 154, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 154, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 154, 19);  
box-shadow:4px 4px 4px 4px rgb(181, 154,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 64.708, 92.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 154, 19) }
```

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

```
.background{ background-color: rgb(181,  
154, 19) }
```

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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