

Converting Colors

CIELCh(64, 64.069, 92.569)

Have a look what the booklet for
CIELCh(64, 64.069, 92.569) contains.

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Color

CIELCh(64, 64.175, 92.390)

Conversions

Conversions Part 1

Format	Color
Hex	B49A16
RGB	180, 154, 22
RGB Percent	71%, 60%, 9%
CMY	0.2948, 0.3967, 0.9146
CMYK	0.00, 0.14, 0.88, 0.29
HSL	50°, 78%, 40%
HSV	50°, 88%, 71%
XYZ	30.4567, 32.8017, 5.4733
YIQ	146.7260, 57.8680, -35.5400

Conversions

Conversions Part 2

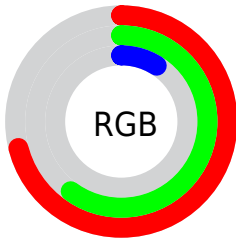
Format	Color
RYB	53, 180, 22
Decimal	11835926
CIELab	64.00, -2.68, 64.12
CIELCh	64, 64.175, 92.390
Yxy	32.8017, 0.4431, 0.4772
Android (android.graphics.Color)	4290026006 (0xFFB49A16)
YUV	146.7260, -61.4899, 29.1813
Hunter-Lab	57.2727, -5.3038, 34.4249

Details

The CIELCh color **64, 64.175, 92.390** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **28, 82.696, 300.588**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 63.950, 92.552**, and **44, 50.887, 91.507** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.498, 91.182**, and if you desaturate by 10%, it is **65, 59.879, 93.558**.

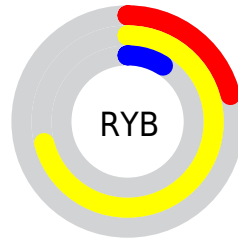
Distribution



Red (71%)

Green (60%)

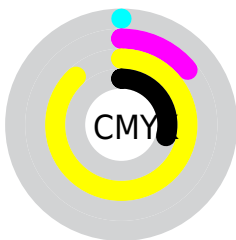
Blue (9%)



Red (21%)

Yellow (71%)

Blue (9%)

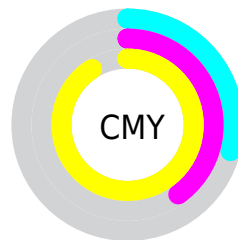


Cyan (0%)

Magenta (14%)

Yellow (88%)

Black (29%)



Cyan (29%)

Magenta (40%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 64.175, 92.390 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, 64.175, 92.390 by changing the saturation by 10% instead.

 64, 64.175, 92.390

 64, 64.175, 92.390

 100, 64.175,
92.390

 54, 64.175, 92.390

 84, 64.175, 92.390

 44, 64.175, 92.390

 94, 64.175, 92.390


 34, 64.175, 92.390

 24, 64.175, 92.390

 14, 64.175, 92.390

 4, 64.175, 92.390

 0, 64.175, 92.390

 64, 64.175, 92.390

 64, 64.175, 92.390

 63, 66.498, 91.182

 65, 59.879, 93.558

63, 66.914, 90.929

66, 53.932, 94.711

67, 46.897, 95.869

68, 39.217, 97.033

69, 31.187, 98.197

70, 22.990, 99.352

71, 14.733,
100.488

72, 6.480, 101.589

74, 1.735, 282.761

Harmonies

Complementary

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



64, 64.175, 92.390



28, 82.696, 300.588

Rectangle

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



64, 64.175, 92.390



64, 64.175, 142.390



64, 64.175, 272.390



64, 64.175, 322.390

Sweetspot

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



64, 64.174, 92.393



89, 26.598, 99.518



39, 66.425, 25.801



47, 18.015, 99.128



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, 64.174, 92.393



80, 81.531, 90.694



67, 75.625, 120.361



37, 4.624, 101.436



54, 59.461, 91.099



7, 10.372, 98.160

Inverse Universe

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



28, 82.696, 300.588



33, 115.197, 303.841



28, 92.617, 308.911



35, 4.687, 283.548



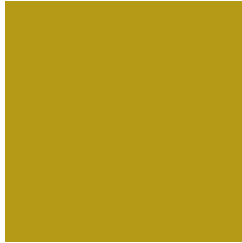
20, 81.899, 303.167



1, 11.669, 284.463

Previews

White Background



This preview shows how the CIELCh color 64, 64.175, 92.390 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, 64.175, 92.390 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, 64.175, 92.390

Background



This preview shows how black text looks on a background with the CIELCh color 64, 64.175, 92.390.

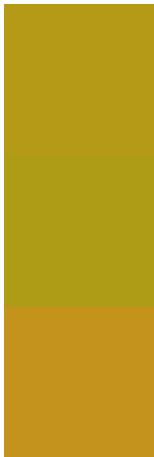


This preview shows how white text looks on a background with the CIELCh color 64, 64.175, 92.390.

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, 64.175, 92.390

Protanopia

64, 64.250, 95.359

Deuteranopia

64, 64.008, 82.446



Tritanopia
64, 18.733, 2.431

Trichromacy



Original Color
64, 64.175, 92.390

Protanomaly
64, 64.145, 94.081

Deuteranomaly
64, 63.757, 85.865

Tritanomaly
64, 28.506, 72.044

Monochromacy



Original Color
64, 64.175, 92.390

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 26.965, 97.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 64.175, 92.390 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(180, 154, 22)` looks like.

```
.text, #text, p{  
    color:rgb(180, 154, 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(180, 154, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 154, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 64.175, 92.390 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(180, 154, 22) }
```

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

```
.border{ border-color:rgb(180, 154, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 154, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 154, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 154, 22);  
box-shadow:4px 4px 4px 4px rgb(180, 154,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 64.175, 92.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 154, 22) }
```

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

```
.background{ background-color: rgb(180,  
154, 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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