

Converting Colors

CIELCh(65, 50.298, 88.966)

Have a look what the booklet for
CIELCh(65, 50.298, 88.966) contains.

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Color

CIELCh(65, 50.396, 89.114)

Conversions

Conversions Part 1

Format	Color
Hex	B99B40
RGB	185, 155, 64
RGB Percent	73%, 61%, 25%
CMY	0.2752, 0.3928, 0.7496
CMYK	0.00, 0.16, 0.65, 0.28
HSL	45°, 49%, 49%
HSV	45°, 65%, 72%
XYZ	32.5780, 34.0472, 9.6809
YIQ	153.5960, 47.0910, -21.9410

Conversions

Conversions Part 2

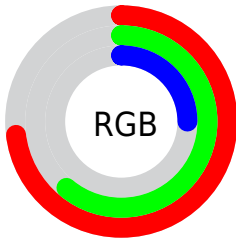
Format	Color
RYB	104, 185, 64
Decimal	12163904
CIELab	65.00, 0.78, 50.39
CIELCh	65, 50.396, 89.114
Yxy	34.0472, 0.4269, 0.4462
Android (android.graphics.Color)	4290353984 (0xFFB99B40)
YUV	153.5960, -44.1708, 27.5413
Hunter-Lab	58.3500, -2.4522, 31.0081

Details

The CIELCh color **65, 50.396, 89.114** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **42, 54.809, 290.076**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 50.231, 88.843**, and **45, 50.422, 88.727** is the 20% darker color. If you saturate the color by 10%, you get **64, 56.828, 87.704**, and if you desaturate by 10%, it is **66, 43.151, 90.470**.

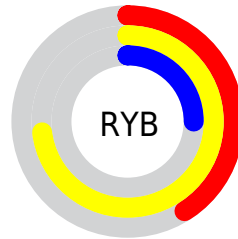
Distribution



Red (73%)

Green (61%)

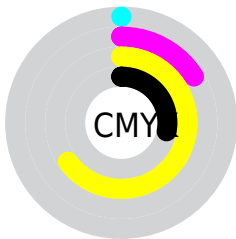
Blue (25%)



Red (41%)

Yellow (73%)

Blue (25%)

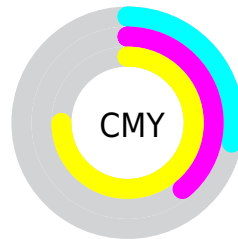


Cyan (0%)

Magenta (16%)

Yellow (65%)

Black (28%)



Cyan (28%)

Magenta (39%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 50.396, 89.114 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 65, 50.396, 89.114 by changing the saturation by 10% instead.

 65, 50.396, 89.114

 65, 50.396, 89.114

 100, 50.396,
89.114

 55, 50.396, 89.114

 85, 50.396, 89.114

 45, 50.396, 89.114

 95, 50.396, 89.114

 35, 50.396, 89.114

 25, 50.396, 89.114

 15, 50.396, 89.114

 5, 50.396, 89.114

 0, 50.396, 89.114

 65, 50.396, 89.114

 65, 50.396, 89.114

 64, 56.828, 87.704

 66, 43.151, 90.470

62, 61.864, 86.175

68, 35.490, 91.785

61, 64.873, 84.436

69, 27.654, 93.071

61, 65.872, 83.614

71, 19.781, 94.327

73, 11.946, 95.547

74, 4.187, 96.707

76, 3.478, 277.943

78, 11.040,
279.007

79, 18.502,
280.050

Harmonies

Complementary

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



65, 50.396, 89.114



42, 54.809, 290.076

Rectangle

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



65, 50.396, 89.114



65, 50.396, 139.114



65, 50.396, 269.114



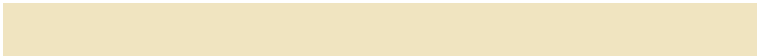
65, 50.396, 319.114

Sweetspot

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



65, 50.396, 89.117



91, 19.146, 94.958



45, 51.854, 10.275



48, 13.074, 94.616



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



65, 50.396, 89.117



80, 72.287, 86.983



71, 62.269, 116.278



38, 4.337, 96.269



52, 58.055, 83.909



7, 10.657, 89.627

Inverse Universe

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



42, 54.809, 290.076



46, 83.542, 294.659



37, 73.485, 305.765



36, 4.371, 278.544



23, 75.494, 300.290



2, 12.666, 281.627

Previews

White Background



This preview shows how the CIELCh color 65, 50.396, 89.114 looks on a white background.

Color Contrast Check

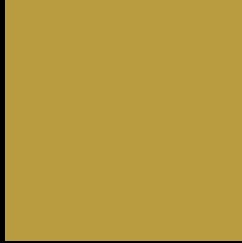
Large Text (above 18pt) WCAG AA × Fail

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 65, 50.396, 89.114 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 65, 50.396, 89.114

Background



This preview shows how black text looks on a background with the CIELCh color 65, 50.396, 89.114.



This preview shows how white text looks on a background with the CIELCh color 65, 50.396, 89.114.

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

65, 50.396, 89.114

Protanopia

65, 49.855, 95.422

Deuteranopia

65, 50.787, 80.523



Tritanopia
65, 19.447, 3.270

Trichromacy



Original Color
65, 50.396, 89.114

Protanomaly
65, 49.807, 93.294

Deuteranomaly
65, 50.374, 83.697

Tritanomaly
65, 22.914, 60.711

Monochromacy



Original Color
65, 50.396, 89.114

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 18.860, 94.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 50.396, 89.114 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(185, 155, 64)` looks like.

```
.text, #text, p{  
    color:rgb(185, 155, 64)  
}
```

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(185, 155, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 155, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 50.396, 89.114 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(185, 155, 64) }
```

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

```
.border{ border-color:rgb(185, 155, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 155, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 155, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 155, 64);  
box-shadow:4px 4px 4px 4px rgb(185, 155,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 50.396, 89.114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 155, 64) }
```

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

```
.background{ background-color: rgb(185,  
155, 64) }
```

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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