

Converting Colors

CIELCh(64, 65.366, 89.464)

Have a look what the booklet for
CIELCh(64, 65.366, 89.464) contains.

CIELCh(64, 65.329, 89.513)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 65.329, 89.513)

Conversions

Conversions Part 1

Format	Color
Hex	B99811
RGB	185, 152, 17
RGB Percent	73%, 60%, 7%
CMY	0.2746, 0.4040, 0.9334
CMYK	0.00, 0.18, 0.91, 0.27
HSL	48°, 83%, 40%
HSV	48°, 91%, 73%
XYZ	31.3279, 32.8017, 5.2091
YIQ	146.4770, 63.0030, -34.9890

Conversions

Conversions Part 2

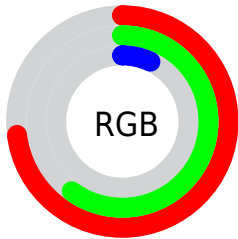
Format	Color
RYB	58, 185, 17
Decimal	12163089
CIELab	64.00, 0.56, 65.33
CIELCh	64, 65.329, 89.513
Yxy	32.8017, 0.4518, 0.4731
Android (android.graphics.Color)	4290353169 (0xFFB99811)
YUV	146.4770, -63.8322, 33.7847
Hunter-Lab	57.2727, -2.5888, 34.6984

Details

The CIELCh color **64, 65.329, 89.513** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **29, 84.191, 300.223**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 65.326, 89.550**, and **44, 51.188, 88.674** is the 20% darker color. If you saturate the color by 10%, you get **63, 67.248, 88.186**, and if you desaturate by 10%, it is **65, 61.499, 90.871**.

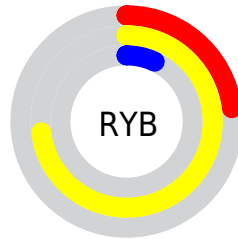
Distribution



Red (73%)

Green (60%)

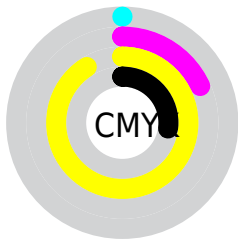
Blue (7%)



Red (23%)

Yellow (73%)

Blue (7%)

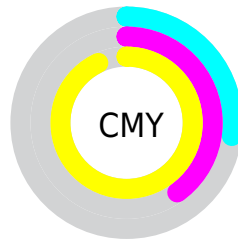


Cyan (0%)

Magenta (18%)

Yellow (91%)

Black (27%)



Cyan (27%)

Magenta (40%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 65.329, 89.513 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, 65.329, 89.513 by changing the saturation by 10% instead.

 64, 65.329, 89.513

 64, 65.329, 89.513

 100, 65.329,
89.513

 54, 65.329, 89.513

 84, 65.329, 89.513

 44, 65.329, 89.513

 94, 65.329, 89.513

 34, 65.329, 89.513

 24, 65.329, 89.513

 14, 65.329, 89.513

 4, 65.329, 89.513

 0, 65.329, 89.513

 64, 65.329, 89.513

 64, 65.329, 89.513

 63, 67.248, 88.186

 65, 61.499, 90.871

66, 55.837, 92.151

67, 48.953, 93.399

68, 41.351, 94.633

70, 33.368, 95.854

71, 25.211, 97.060

72, 17.000, 98.243

74, 8.804, 99.392

75, 0.659, 100.307

Harmonies

Complementary

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



64, 65.329, 89.513



29, 84.191, 300.223

Rectangle

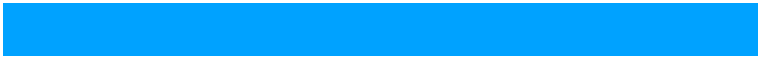
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 65.329, 89.513



64, 65.329, 139.513



64, 65.329, 269.513



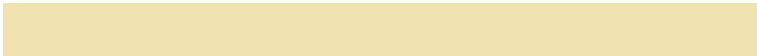
64, 65.329, 319.513

Sweetspot

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



64, 65.328, 89.516



90, 27.248, 97.463



39, 68.364, 24.765



47, 18.357, 97.061



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



64, 65.328, 89.516



80, 81.556, 87.907



69, 77.696, 119.071



38, 4.577, 99.558



54, 59.238, 88.409



8, 11.418, 94.728

Inverse Universe

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



29, 84.191, 300.223



35, 113.665, 302.968



27, 97.141, 308.369



36, 4.630, 281.738



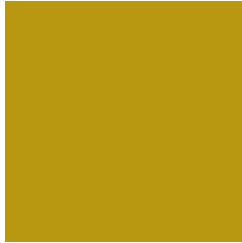
21, 80.298, 302.211



2, 13.203, 283.716

Previews

White Background



This preview shows how the CIELCh color 64, 65.329, 89.513 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, 65.329, 89.513 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, 65.329, 89.513

Background



This preview shows how black text looks on a background with the CIELCh color 64, 65.329, 89.513.



This preview shows how white text looks on a background with the CIELCh color 64, 65.329, 89.513.

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, 65.329, 89.513

Protanopia

64, 65.080, 95.367

Deuteranopia

64, 65.213, 82.686



Tritanopia
64, 21.470, 5.272

Trichromacy



Original Color
64, 65.329, 89.513

Protanomaly
64, 65.151, 93.298

Deuteranomaly
64, 65.222, 85.263

Tritanomaly
63, 31.072, 67.991

Monochromacy



Original Color
64, 65.329, 89.513

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 27.693, 96.210

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 65.329, 89.513 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, 152, 17)` looks like.

```
.text, #text, p{  
    color:rgb(185, 152, 17)  
}
```

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, 152, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 152, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 65.329, 89.513 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, 152, 17) }
```

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

```
.border{ border-color:rgb(185, 152, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 152, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 152, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 152, 17);  
box-shadow:4px 4px 4px 4px rgb(185, 152,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 65.329, 89.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 152, 17) }
```

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

```
.background{ background-color: rgb(185,  
152, 17) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor