

Converting Colors

CIELCh(67, 53.399, 81.174)

Have a look what the booklet for
CIELCh(67, 53.399, 81.174) contains.

CIELCh(67, 53.364, 81.224)	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(67, 53.364, 81.224)

Conversions

Conversions Part 1

Format	Color
Hex	CB9C41
RGB	203, 156, 65
RGB Percent	80%, 61%, 25%
CMY	0.2059, 0.3900, 0.7468
CMYK	0.00, 0.23, 0.68, 0.21
HSL	40°, 57%, 52%
HSV	40°, 68%, 79%
XYZ	37.2492, 36.6320, 10.0429
YIQ	159.6790, 57.2230, -18.3370

Conversions

Conversions Part 2

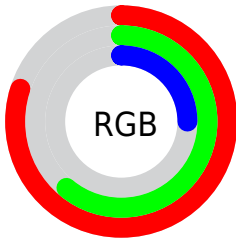
Format	Color
RYB	136, 203, 65
Decimal	13343809
CIELab	67.00, 8.14, 52.74
CIELCh	67, 53.364, 81.224
Yxy	36.6320, 0.4438, 0.4365
Android (android.graphics.Color)	4291533889 (0xFFCB9C41)
YUV	159.6790, -46.6767, 37.9925
Hunter-Lab	60.5244, 3.9388, 32.5290

Details

The CIELCh color **67, 53.364, 81.224** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **48, 53.892, 285.094**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 51.764, 84.419**, and **47, 53.411, 81.190** is the 20% darker color. If you saturate the color by 10%, you get **65, 60.224, 79.554**, and if you desaturate by 10%, it is **69, 45.708, 82.755**.

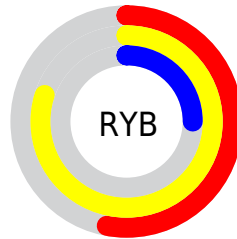
Distribution



Red (80%)

Green (61%)

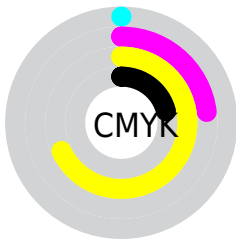
Blue (25%)



Red (53%)

Yellow (80%)

Blue (25%)

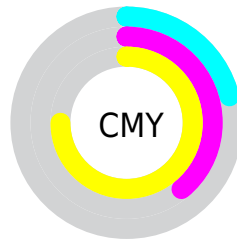


Cyan (0%)

Magenta (23%)

Yellow (68%)

Black (21%)



Cyan (21%)

Magenta (39%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 53.364, 81.224 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 67, 53.364, 81.224 by changing the saturation by 10% instead.

 67, 53.364, 81.224

 67, 53.364, 81.224

 100, 53.364,
81.224

 57, 53.364, 81.224

 87, 53.364, 81.224

 47, 53.364, 81.224

 97, 53.364, 81.224

 37, 53.364, 81.224

 27, 53.364, 81.224

 17, 53.364, 81.224

 7, 53.364, 81.224

 0, 53.364, 81.224

 67, 53.364, 81.224

 67, 53.364, 81.224

 65, 60.224, 79.554

 69, 45.708, 82.755

63, 65.579, 77.608

71, 37.721, 84.202

62, 68.808, 75.236

73, 29.663, 85.599

61, 69.351, 74.785

75, 21.671, 86.954

77, 13.812, 88.266

80, 6.114, 89.521

82, 1.416, 270.968

84, 8.783, 272.004

87, 15.996,
273.122

Harmonies

Complementary

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



67, 53.364, 81.224



48, 53.892, 285.094

Rectangle

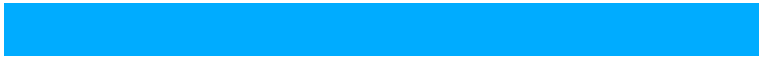
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 53.364, 81.224



67, 53.364, 131.224



67, 53.364, 261.224



67, 53.364, 311.224

Sweetspot

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



67, 53.364, 81.227



95, 18.432, 87.987



49, 58.060, 3.355



50, 12.615, 87.615



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 53.364, 81.227



79, 75.114, 78.628



78, 68.041, 111.524



42, 4.307, 89.364



51, 59.772, 75.243



10, 15.309, 77.862

Inverse Universe

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



48, 53.892, 285.094



52, 79.562, 290.348



38, 82.861, 303.984



40, 4.303, 271.824



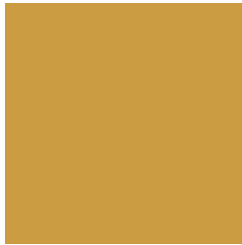
28, 69.471, 295.901



4, 18.076, 281.701

Previews

White Background



This preview shows how the CIELCh color 67, 53.364, 81.224 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 67, 53.364, 81.224 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 67, 53.364, 81.224

Background



This preview shows how black text looks on a background with the CIELCh color 67, 53.364, 81.224.



This preview shows how white text looks on a background with the CIELCh color 67, 53.364, 81.224.

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

67, 53.364, 81.224

Protanopia

67, 51.526, 95.753

Deuteranopia

67, 53.185, 80.603



Tritanopia
67, 25.620, 8.531

Trichromacy



Original Color
67, 53.364, 81.224

Protanomaly
67, 51.749, 90.643

Deuteranomaly
67, 53.185, 80.603

Tritanomaly
67, 29.057, 50.328

Monochromacy



Original Color
67, 53.364, 81.224

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 19.565, 86.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 53.364, 81.224 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(203, 156, 65)` looks like.

```
.text, #text, p{  
    color:rgb(203, 156, 65)  
}
```

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(203, 156, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 156, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 53.364, 81.224 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(203, 156, 65) }
```

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

```
.border{ border-color:rgb(203, 156, 65) }
```

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

Here you see how a box with a 4 pixel rgb(203, 156, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 156, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 156, 65);  
box-shadow:4px 4px 4px 4px rgb(203, 156,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 53.364, 81.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 156, 65) }
```

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

```
.background{ background-color: rgb(203,  
156, 65) }
```

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