

Converting Colors

CIELCh(65, 46.236, 81.806)

Have a look what the booklet for
CIELCh(65, 46.236, 81.806) contains.

CIELCh(65, 46.097, 81.680)	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(65, 46.097, 81.680)

Conversions

Conversions Part 1

Format	Color
Hex	C0974A
RGB	192, 151, 74
RGB Percent	75%, 59%, 29%
CMY	0.2451, 0.4061, 0.7081
CMYK	0.00, 0.21, 0.61, 0.25
HSL	39°, 49%, 52%
HSV	39°, 61%, 75%
XYZ	34.2512, 34.0472, 11.3202
YIQ	154.4810, 49.1530, -15.2550

Conversions

Conversions Part 2

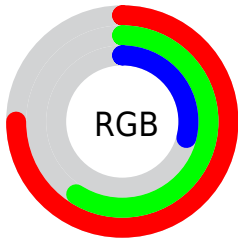
Format	Color
RYB	137, 192, 74
Decimal	12621642
CIELab	65.00, 6.67, 45.61
CIElCh	65, 46.097, 81.680
Yxy	34.0472, 0.4302, 0.4276
Android (android.graphics.Color)	4290811722 (0xFFC0974A)
YUV	154.4810, -39.6771, 32.9042
Hunter-Lab	58.3500, 2.6665, 29.3424

Details

The CIELCh color **65, 46.097, 81.680** 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 **49, 45.743, 282.335**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 46.177, 81.700**, and **45, 46.113, 81.548** is the 20% darker color. If you saturate the color by 10%, you get **63, 53.290, 80.120**, and if you desaturate by 10%, it is **67, 38.496, 83.151**.

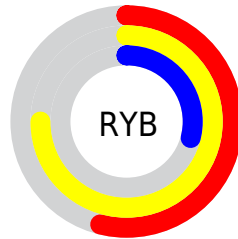
Distribution



Red (75%)

Green (59%)

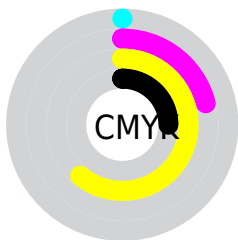
Blue (29%)



Red (54%)

Yellow (75%)

Blue (29%)

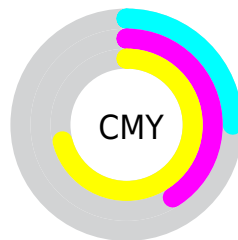


Cyan (0%)

Magenta (21%)

Yellow (61%)

Black (25%)



Cyan (25%)

Magenta (41%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 46.097, 81.680 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, 46.097, 81.680 by changing the saturation by 10% instead.

■ 65, 46.097, 81.680

■ 65, 46.097, 81.680

■ 100, 46.097,
81.680

■ 55, 46.097, 81.680

■ 85, 46.097, 81.680

■ 45, 46.097, 81.680

■ 95, 46.097, 81.680

■ 35, 46.097, 81.680

■ 25, 46.097, 81.680

■ 15, 46.097, 81.680

■ 5, 46.097, 81.680

■ 0, 46.097, 81.680

■ 65, 46.097, 81.680

■ 65, 46.097, 81.680

■ 63, 53.290, 80.120

■ 67, 38.496, 83.151

61, 59.566, 78.377

69, 30.782, 84.561

60, 64.188, 76.299

71, 23.112, 85.927

58, 66.766, 74.203

73, 15.563, 87.252

75, 8.171, 88.528

78, 0.944, 89.545

80, 6.120, 271.043

82, 13.029,
272.170

84, 19.795,
273.260

Harmonies

Complementary

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



65, 46.097, 81.680



49, 45.743, 282.335

Rectangle

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



65, 46.097, 81.680



65, 46.097, 131.680



65, 46.097, 261.680



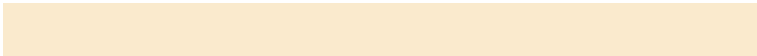
65, 46.097, 311.680

Sweetspot

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



65, 46.097, 81.684



93, 16.173, 87.648



49, 51.060, 1.470



49, 11.275, 87.267



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



65, 46.097, 81.684



79, 67.950, 79.479



75, 60.063, 111.810



40, 4.099, 88.770



49, 58.399, 74.639



8, 12.355, 76.896

Inverse Universe

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



49, 45.743, 282.335



56, 69.173, 286.895



40, 71.194, 302.962



38, 4.092, 271.224



28, 66.911, 295.378



3, 14.894, 279.202

Previews

White Background



This preview shows how the CIELCh color 65, 46.097, 81.680 looks on a white background.

Color Contrast Check

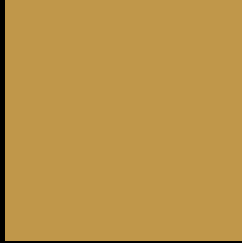
Large Text (above 18pt) WCAG AA × Fail

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, 46.097, 81.680 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, 46.097, 81.680

Background



This preview shows how black text looks on a background with the CIELCh color 65, 46.097, 81.680.



This preview shows how white text looks on a background with the CIELCh color 65, 46.097, 81.680.

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, 46.097, 81.680

Protanopia

65, 44.162, 95.522

Deuteranopia

65, 46.092, 79.270



Tritanopia
65, 22.970, 6.580

Trichromacy



Original Color
65, 46.097, 81.680

Protanomaly
65, 44.614, 90.847

Deuteranomaly
65, 46.061, 80.497

Tritanomaly
65, 24.868, 48.617

Monochromacy



Original Color
65, 46.097, 81.680

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 16.750, 86.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 46.097, 81.680 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(192, 151, 74)` looks like.

```
.text, #text, p{  
    color:rgb(192, 151, 74)  
}
```

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(192, 151, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 151, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 46.097, 81.680 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(192, 151, 74) }
```

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

```
.border{ border-color:rgb(192, 151, 74) }
```

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

Here you see how a box with a 4 pixel rgb(192, 151, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 151, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 151, 74);  
box-shadow:4px 4px 4px 4px rgb(192, 151,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 46.097, 81.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 151, 74) }
```

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

```
.background{ background-color: rgb(192,  
151, 74) }
```

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