

Converting Colors

CIELCh(65, 46.372, 76.443)

Have a look what the booklet for
CIELCh(65, 46.372, 76.443) contains.

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Color

CIELCh(65, 46.423, 76.399)

Conversions

Conversions Part 1

Format	Color
Hex	C7954C
RGB	199, 149, 76
RGB Percent	78%, 58%, 30%
CMY	0.2206, 0.4166, 0.7028
CMYK	0.00, 0.25, 0.62, 0.22
HSL	36°, 52%, 54%
HSV	36°, 62%, 78%
XYZ	35.4923, 34.0472, 11.4983
YIQ	155.6280, 53.2330, -12.1030

Conversions

Conversions Part 2

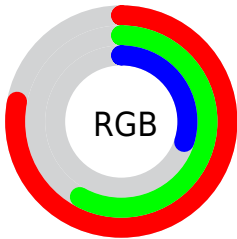
Format	Color
RYB	160, 199, 76
Decimal	13079884
CIELab	65.00, 10.92, 45.12
CIELCh	65, 46.423, 76.399
Yxy	34.0472, 0.4380, 0.4201
Android (android.graphics.Color)	4291269964 (0xFFC7954C)
YUV	155.6280, -39.2566, 38.0372
Hunter-Lab	58.3500, 6.4630, 29.1614

Details

The CIELCh color **65, 46.423, 76.399** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **52, 43.425, 277.784**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 45.683, 78.024**, and **45, 46.490, 75.869** is the 20% darker color. If you saturate the color by 10%, you get **63, 53.964, 74.815**, and if you desaturate by 10%, it is **67, 38.596, 77.879**.

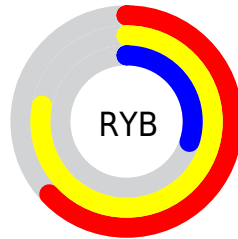
Distribution



Red (78%)

Green (58%)

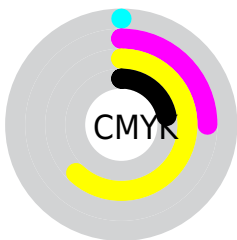
Blue (30%)



Red (63%)

Yellow (78%)

Blue (30%)

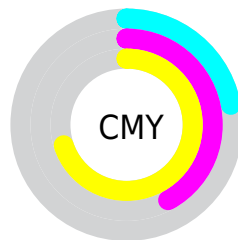


Cyan (0%)

Magenta (25%)

Yellow (62%)

Black (22%)



Cyan (22%)

Magenta (42%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 46.423, 76.399 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, 46.423, 76.399 by changing the saturation by 10% instead.

65, 46.423, 76.399

65, 46.423, 76.399

100, 46.423,
76.399

55, 46.423, 76.399

85, 46.423, 76.399

45, 46.423, 76.399

95, 46.423, 76.399

35, 46.423, 76.399

25, 46.423, 76.399

15, 46.423, 76.399

5, 46.423, 76.399

0, 46.423, 76.399

65, 46.423, 76.399

65, 46.423, 76.399

63, 53.964, 74.815

67, 38.596, 77.879

61, 60.703, 73.005

70, 30.768, 79.295

59, 65.840, 70.769

72, 23.080, 80.670

57, 68.732, 68.620

75, 15.593, 82.008

77, 8.328, 83.299

80, 1.285, 84.374

82, 5.549, 265.879

85, 12.190,
267.026

88, 18.656,
268.143

Harmonies

Complementary

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



65, 46.423, 76.399



52, 43.425, 277.784

Rectangle

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



65, 46.423, 76.399



65, 46.423, 126.399



65, 46.423, 256.399



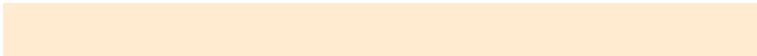
65, 46.423, 306.399

Sweetspot

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



65, 46.423, 76.403



94, 16.517, 82.348



50, 53.765, 356.730



49, 11.420, 81.967



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 46.423, 76.403



78, 67.872, 74.264



77, 61.696, 108.588



41, 3.965, 83.609



47, 59.324, 69.152



8, 13.280, 69.527

Inverse Universe

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



52, 43.425, 277.784



60, 63.988, 282.393



40, 73.919, 301.618



40, 3.931, 266.125



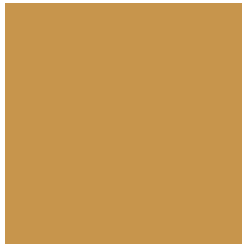
31, 61.258, 291.569



4, 15.531, 277.096

Previews

White Background



This preview shows how the CIELCh color 65, 46.423, 76.399 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, 46.423, 76.399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

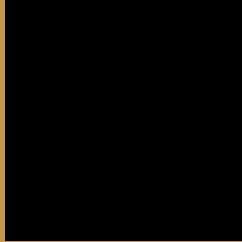
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 46.423, 76.399

Background



This preview shows how black text looks on a background with the CIELCh color 65, 46.423, 76.399.



This preview shows how white text looks on a background with the CIELCh color 65, 46.423, 76.399.

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, 46.423, 76.399

Protanopia

65, 43.192, 95.426

Deuteranopia

65, 46.092, 79.270



Tritanopia
65, 26.205, 8.913

Trichromacy



Original Color
65, 46.423, 76.399

Protanomaly
65, 43.776, 88.252

Deuteranomaly
65, 46.321, 78.781

Tritanomaly
65, 27.573, 43.640

Monochromacy



Original Color
65, 46.423, 76.399

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 16.792, 82.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 46.423, 76.399 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(199, 149, 76)` looks like.

```
.text, #text, p{  
    color:rgb(199, 149, 76)  
}
```

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(199, 149, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 149, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 46.423, 76.399 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(199, 149, 76) }
```

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

```
.border{ border-color:rgb(199, 149, 76) }
```

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

Here you see how a box with a 4 pixel rgb(199, 149, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 149, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 149, 76);  
box-shadow:4px 4px 4px 4px rgb(199, 149,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 46.423, 76.399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 149, 76) }
```

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

```
.background{ background-color: rgb(199,  
149, 76) }
```

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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