

Converting Colors

CIELCh(71, 57.460, 80.596)

Have a look what the booklet for
CIELCh(71, 57.460, 80.596) contains.

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Color

CIELCh(71, 57.460, 80.596)

Conversions

Conversions Part 1

Format	Color
Hex	D9A542
RGB	217, 165, 66
RGB Percent	85%, 65%, 26%
CMY	0.1480, 0.3520, 0.7402
CMYK	0.00, 0.24, 0.70, 0.15
HSL	39°, 67%, 56%
HSV	39°, 70%, 85%
XYZ	43.1857, 42.1875, 11.0582
YIQ	169.2620, 62.7710, -19.7650

Conversions

Conversions Part 2

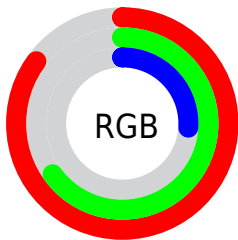
Format	Color
RYB	145, 217, 66
Decimal	14263618
CIELab	71.00, 9.39, 56.69
CIELCh	71, 57.460, 80.596
Yxy	42.1875, 0.4478, 0.4375
Android (android.graphics.Color)	4292453698 (0xFFD9A542)
YUV	169.2620, -50.9082, 41.8662
Hunter-Lab	64.9519, 5.0166, 35.3721

Details

The CIELCh color **71, 57.460, 80.596** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **51, 57.972, 285.363**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 53.544, 89.911**, and **51, 57.338, 80.318** is the 20% darker color. If you saturate the color by 10%, you get **69, 64.532, 78.876**, and if you desaturate by 10%, it is **73, 49.445, 82.156**.

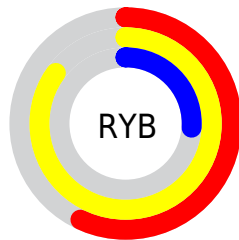
Distribution



Red (85%)

Green (65%)

Blue (26%)



Red (57%)

Yellow (85%)

Blue (26%)

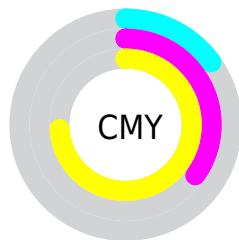


Cyan (0%)

Magenta (24%)

Yellow (70%)

Black (15%)



Cyan (15%)

Magenta (35%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 57.460, 80.596 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 71, 57.460, 80.596 by changing the saturation by 10% instead.

71, 57.460, 80.596

71, 57.460, 80.596

100, 57.460,
80.596

61, 57.460, 80.596

91, 57.460, 80.596

51, 57.460, 80.596

41, 57.460, 80.596

31, 57.460, 80.596

21, 57.460, 80.596

11, 57.460, 80.596

1, 57.460, 80.596

0, 57.460, 80.596

71, 57.460, 80.596

71, 57.460, 80.596

69, 64.532, 78.876

73, 49.445, 82.156

67, 69.863, 76.841

75, 41.023, 83.623

65, 72.961, 74.367

77, 32.502, 85.035

65, 73.102, 74.247

80, 24.041, 86.405

82, 15.720, 87.732

84, 7.572, 89.005

87, 0.394, 270.958

89, 8.183, 271.515

92, 12.563,
266.944

Harmonies

Complementary

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



71, 57.460, 80.596



51, 57.972, 285.363

Rectangle

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



71, 57.460, 80.596



71, 57.460, 130.596



71, 57.460, 260.596



71, 57.460, 310.596

Sweetspot

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



71, 57.460, 80.599



94, 19.303, 87.512



52, 62.401, 3.865



49, 13.106, 87.145



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 57.460, 80.599



79, 75.673, 78.063



83, 73.077, 111.470



45, 4.553, 89.014



53, 61.787, 74.743



13, 19.354, 77.421

Inverse Universe

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



51, 57.972, 285.363



52, 80.087, 290.445



40, 89.592, 304.228



43, 4.547, 271.500



30, 71.607, 295.792



5, 22.358, 284.864

Previews

White Background



This preview shows how the CIELCh color 71, 57.460, 80.596 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 71, 57.460, 80.596 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 71, 57.460, 80.596

Background



This preview shows how black text looks on a background with the CIELCh color 71, 57.460, 80.596.



This preview shows how white text looks on a background with the CIELCh color 71, 57.460, 80.596.

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


71, 57.460, 80.596

Protanopia

71, 55.021, 95.354

Deuteranopia

71, 57.460, 80.596



Tritanopia
71, 27.744, 8.700

Trichromacy



Original Color
71, 57.460, 80.596

Protanomaly
71, 55.389, 90.165

Deuteranomaly
71, 57.460, 80.596

Tritanomaly
71, 31.486, 50.874

Monochromacy



Original Color
71, 57.460, 80.596

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 21.182, 86.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 57.460, 80.596 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(217, 165, 66)` looks like.

```
.text, #text, p{  
    color:rgb(217, 165, 66)  
}
```

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(217, 165, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 165, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 57.460, 80.596 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(217, 165, 66) }
```

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

```
.border{ border-color:rgb(217, 165, 66) }
```

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

Here you see how a box with a 4 pixel rgb(217, 165, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 165, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 165, 66);  
box-shadow:4px 4px 4px 4px rgb(217, 165,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 57.460, 80.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 165, 66) }
```

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

```
.background{ background-color: rgb(217,  
165, 66) }
```

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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