

Converting Colors

CIELCh(65, 67.183, 70.170)

Have a look what the booklet for
CIELCh(65, 67.183, 70.170) contains.

CIELCh(65, 67.184, 70.095)	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, 67.184, 70.095)

Conversions

Conversions Part 1

Format	Color
Hex	DC8C23
RGB	220, 140, 35
RGB Percent	86%, 55%, 14%
CMY	0.1377, 0.4513, 0.8632
CMYK	0.00, 0.36, 0.84, 0.14
HSL	34°, 73%, 50%
HSV	34°, 84%, 86%
XYZ	39.1469, 34.0472, 6.0897
YIQ	151.9500, 81.3850, -15.6950

Conversions

Conversions Part 2

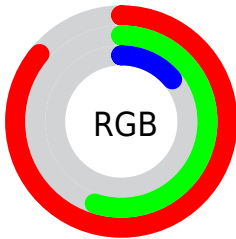
Format	Color
R _Y B	176, 220, 35
Decimal	14453795
CIE Lab	65.00, 22.87, 63.17
CIE LCh	65, 67.184, 70.095
Yxy	34.0472, 0.4938, 0.4294
Android (android.graphics.Color)	4292643875 (0xFFDC8C23)
YUV	151.9500, -57.6563, 59.6799
Hunter-Lab	58.3500, 17.6430, 34.6572

Details

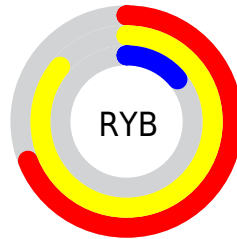
The CIELCh color **65, 67.184, 70.095** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **49, 62.065, 283.945**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 60.397, 79.087**, and **45, 58.504, 66.736** is the 20% darker color. If you saturate the color by 10%, you get **63, 72.403, 67.654**, and if you desaturate by 10%, it is **67, 60.014, 72.001**.

Distribution



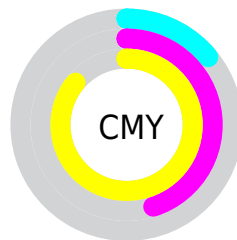
- Red (86%)
- Green (55%)
- Blue (14%)



- Red (69%)
- Yellow (86%)
- Blue (14%)



- Cyan (0%)
- Magenta (36%)
- Yellow (84%)
- Black (14%)



- Cyan (14%)
- Magenta (45%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 67.184, 70.095 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, 67.184, 70.095 by changing the saturation by 10% instead.

65, 67.184, 70.095

65, 67.184, 70.095

100, 67.184,
70.095

55, 67.184, 70.095

85, 67.184, 70.095

45, 67.184, 70.095

95, 67.184, 70.095

35, 67.184, 70.095

25, 67.184, 70.095

15, 67.184, 70.095

5, 67.184, 70.095

0, 67.184, 70.095

65, 67.184, 70.095

65, 67.184, 70.095

63, 72.403, 67.654

67, 60.014, 72.001

62, 74.615, 66.001

70, 51.849, 73.621

72, 43.333, 75.105

75, 34.819, 76.522

78, 26.481, 77.899

81, 18.393, 79.242

84, 10.579, 80.546

86, 3.034, 81.748

89, 4.256, 263.180

Harmonies

Complementary

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



65, 67.184, 70.095



49, 62.065, 283.945

Rectangle

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



65, 67.184, 70.095



65, 67.184, 120.095



65, 67.184, 250.095



65, 67.184, 300.095

Sweetspot

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



65, 67.183, 70.098



92, 21.529, 79.099



49, 71.717, 2.083



48, 14.781, 78.626



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, 67.183, 70.098



70, 83.529, 65.676



84, 82.388, 106.881



45, 4.204, 81.137



49, 62.387, 66.623



11, 18.554, 67.650

Inverse Universe

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



49, 62.065, 283.945



50, 84.112, 290.886



32, 108.644, 305.153



44, 4.152, 263.688



34, 61.388, 289.817



6, 20.026, 279.603

Previews

White Background



This preview shows how the CIELCh color 65, 67.184, 70.095 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 CIELCh color 65, 67.184, 70.095 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, 67.184, 70.095

Background



This preview shows how black text looks on a background with the CIELCh color 65, 67.184, 70.095.



This preview shows how white text looks on a background with the CIELCh color 65, 67.184, 70.095.

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, 67.184, 70.095

Protanopia
65, 60.271, 95.420

Deuteranopia
65, 64.463, 82.723



Tritanopia
65, 39.073, 15.843

Trichromacy



Original Color
65, 67.184, 70.095

Protanomaly
65, 61.059, 85.600

Deuteranomaly
65, 65.165, 77.669

Tritanomaly
65, 44.298, 45.699

Monochromacy



Original Color
65, 67.184, 70.095

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 25.234, 77.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 67.184, 70.095 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(220, 140, 35)` looks like.

```
.text, #text, p{  
    color:rgb(220, 140, 35)  
}
```

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(220, 140, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 140, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 67.184, 70.095 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(220, 140, 35) }
```

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

```
.border{ border-color:rgb(220, 140, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 140, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 140, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 140, 35);  
box-shadow:4px 4px 4px 4px rgb(220, 140,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 67.184, 70.095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 140, 35) }
```

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

```
.background{ background-color: rgb(220,  
140, 35) }
```

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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