

Converting Colors

CIELCh(66, 56.724, 64.142)

Have a look what the booklet for
CIELCh(66, 56.724, 64.142) contains.

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Color

CIELCh(66, 56.824, 64.064)

Conversions

Conversions Part 1

Format	Color
Hex	DF8D43
RGB	223, 141, 67
RGB Percent	87%, 55%, 26%
CMY	0.1238, 0.4456, 0.7359
CMYK	0.00, 0.37, 0.70, 0.12
HSL	28°, 71%, 57%
HSV	28°, 70%, 88%
XYZ	41.1663, 35.3238, 10.0143
YIQ	157.0820, 72.6260, -5.6300

Conversions

Conversions Part 2

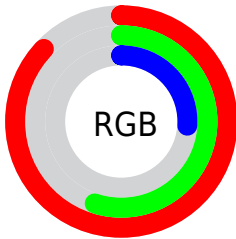
Format	Color
R _Y B	223, 208, 67
Decimal	14650691
CIE Lab	66.00, 24.85, 51.10
CIE LCh	66, 56.824, 64.064
Yxy	35.3238, 0.4759, 0.4083
Android (android.graphics.Color)	4292840771 (0xFFDF8D43)
YUV	157.0820, -44.4104, 57.8101
Hunter-Lab	59.4338, 19.6271, 31.6136

Details

The CIELCh color **66, 56.824, 64.064** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **60, 44.853, 268.657**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 48.387, 74.569**, and **46, 56.790, 63.775** is the 20% darker color. If you saturate the color by 10%, you get **63, 65.432, 62.584**, and if you desaturate by 10%, it is **69, 47.839, 65.357**.

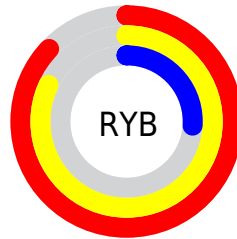
Distribution



Red (87%)

Green (55%)

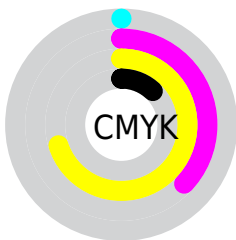
Blue (26%)



Red (87%)

Yellow (82%)

Blue (26%)

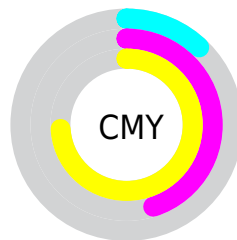


Cyan (0%)

Magenta (37%)

Yellow (70%)

Black (12%)



Cyan (12%)

Magenta (45%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 56.824, 64.064 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 66, 56.824, 64.064 by changing the saturation by 10% instead.

 66, 56.824, 64.064

 66, 56.824, 64.064

 100, 56.824,
64.064

 56, 56.824, 64.064

 86, 56.824, 64.064

 46, 56.824, 64.064

 96, 56.824, 64.064

 36, 56.824, 64.064

 26, 56.824, 64.064

 16, 56.824, 64.064

 6, 56.824, 64.064

 0, 56.824, 64.064

 66, 56.824, 64.064

 66, 56.824, 64.064

 63, 65.432, 62.584

 69, 47.839, 65.357

61, 72.801, 60.646

72, 38.946, 66.579

58, 78.165, 58.050

75, 30.355, 67.783

58, 78.243, 58.015

79, 22.151, 68.986

82, 14.351, 70.184

86, 6.941, 71.353

89, 0.109, 256.488

93, 6.832, 253.821

96, 8.888, 226.236

Harmonies

Complementary

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



66, 56.824, 64.064



60, 44.853, 268.657

Rectangle

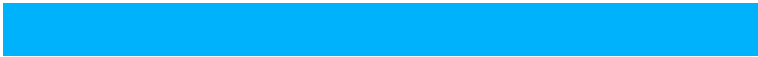
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 56.824, 64.064



66, 56.824, 114.064



66, 56.824, 244.064



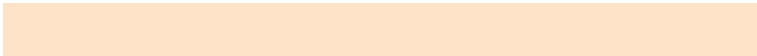
66, 56.824, 294.064

Sweetspot

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



66, 56.823, 64.067



92, 16.955, 70.029



54, 67.757, 350.430



48, 11.559, 69.696



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 56.823, 64.067



70, 76.433, 61.740



85, 72.396, 102.212



45, 4.010, 71.399



46, 65.203, 58.667



11, 19.666, 57.343

Inverse Universe

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



60, 44.853, 268.657



62, 59.133, 274.893



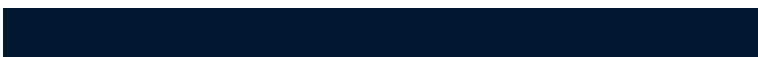
40, 89.810, 300.833



45, 3.907, 253.846



39, 51.729, 281.243



8, 18.165, 271.750

Previews

White Background



This preview shows how the CIELCh color 66, 56.824, 64.064 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 66, 56.824, 64.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

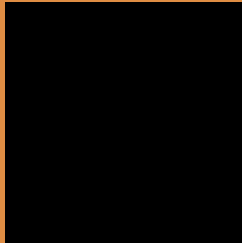
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 56.824, 64.064

Background



This preview shows how black text looks on a background with the CIELCh color 66, 56.824, 64.064.



This preview shows how white text looks on a background with the CIELCh color 66, 56.824, 64.064.

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

66, 56.824, 64.064

Protanopia

66, 47.405, 95.902

Deuteranopia

66, 52.616, 80.803



Tritanopia
66, 38.929, 15.746

Trichromacy



Original Color
66, 56.824, 64.064

Protanomaly
66, 48.710, 82.770

Deuteranomaly
66, 53.777, 74.334

Tritanomaly
66, 41.369, 38.884

Monochromacy



Original Color
66, 56.824, 64.064

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 19.748, 68.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 56.824, 64.064 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(223, 141, 67)` looks like.

```
.text, #text, p{  
    color:rgb(223, 141, 67)  
}
```

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(223, 141, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 141, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 56.824, 64.064 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(223, 141, 67) }
```

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

```
.border{ border-color:rgb(223, 141, 67) }
```

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

Here you see how a box with a 4 pixel rgb(223, 141, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 141, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 141, 67);  
box-shadow:4px 4px 4px 4px rgb(223, 141,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 56.824, 64.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 141, 67) }
```

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

```
.background{ background-color: rgb(223,  
141, 67) }
```

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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