

Converting Colors

CIELCh(66, 66.324, 42.788)

Have a look what the booklet for
CIELCh(66, 66.324, 42.788) contains.

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Color

CIELCh(66, 66.388, 42.628)

Conversions

Conversions Part 1

Format	Color
Hex	FF7852
RGB	255, 120, 82
RGB Percent	100%, 47%, 32%
CMY	0.0000, 0.5292, 0.6783
CMYK	0.00, 0.53, 0.68, 0.00
HSL	13°, 100%, 66%
HSV	13°, 68%, 100%
XYZ	49.5063, 35.3238, 12.1999
YIQ	156.0330, 92.6580, 16.8020

Conversions

Conversions Part 2

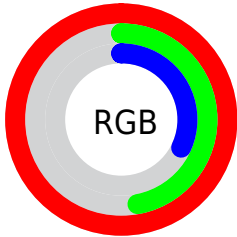
Format	Color
R _Y B	255, 131, 82
Decimal	16742482
CIE Lab	66.00, 48.85, 44.96
CIE LCh	66, 66.388, 42.628
Yxy	35.3238, 0.5102, 0.3641
Android (android.graphics.Color)	4294932562 (0xFFFF7852)
YUV	156.0330, -36.4983, 86.7941
Hunter-Lab	59.4338, 44.6749, 29.4333

Details

The CIELCh color **66, 66.388, 42.628** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **81, 38.442, 229.516**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 41.425, 53.509**, and **46, 66.604, 42.669** is the 20% darker color. If you saturate the color by 10%, you get **62, 78.190, 43.403**, and if you desaturate by 10%, it is **70, 54.654, 41.980**.

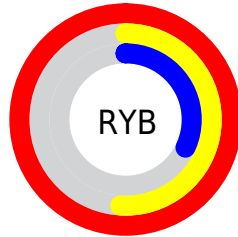
Distribution



Red (100%)

Green (47%)

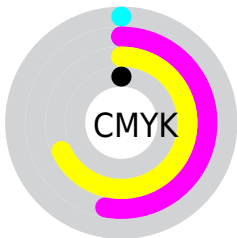
Blue (32%)



Red (100%)

Yellow (51%)

Blue (32%)

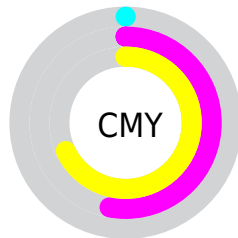


Cyan (0%)

Magenta (53%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 66.388, 42.628 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, 66.388, 42.628 by changing the saturation by 10% instead.

66, 66.388, 42.628

66, 66.388, 42.628

100, 66.388,
42.628

56, 66.388, 42.628

86, 66.388, 42.628

46, 66.388, 42.628

96, 66.388, 42.628

36, 66.388, 42.628

26, 66.388, 42.628

16, 66.388, 42.628

6, 66.388, 42.628

0, 66.388, 42.628

66, 66.388, 42.628

66, 66.388, 42.628

62, 78.190, 43.403

70, 54.654, 41.980

59, 89.181, 43.969

75, 43.474, 41.529

57, 97.520, 43.695

80, 32.998, 41.288

56, 99.056, 43.636

85, 23.277, 41.228

90, 14.300, 41.309

96, 6.024, 41.461

100, 0.012,
296.813

Harmonies

Complementary

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



66, 66.388, 42.628



81, 38.442, 229.516

Rectangle

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



66, 66.388, 42.628



66, 66.388, 92.628



66, 66.388, 222.628



66, 66.388, 272.628

Sweetspot

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



66, 66.364, 42.635



89, 16.190, 41.282



64, 85.459, 336.031



46, 11.176, 41.254



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, 66.364, 42.635



61, 81.838, 43.629



85, 65.959, 85.835



50, 4.407, 41.438



42, 79.312, 44.080



12, 29.689, 38.339

Inverse Universe

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



81, 38.442, 229.516



78, 41.840, 233.319



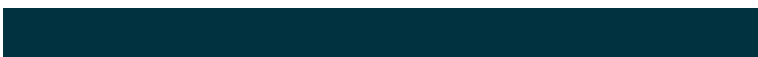
57, 70.496, 289.088



52, 4.156, 222.251



57, 35.840, 239.965



18, 16.235, 234.215

Previews

White Background



This preview shows how the CIELCh color 66, 66.388, 42.628 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, 66.388, 42.628 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, 66.388, 42.628

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.388, 42.628.



This preview shows how white text looks on a background with the CIELCh color 66, 66.388, 42.628.

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





Tritanopia
66, 57.846, 22.159

Trichromacy



Original Color
66, 66.388, 42.628

Protanomaly
65, 41.087, 66.723

Deuteranomaly
65, 51.077, 62.192

Tritanomaly
66, 60.042, 30.106

Monochromacy



Original Color
66, 66.388, 42.628

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 22.180, 41.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 66.388, 42.628 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(255, 120, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 82)  
}
```

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(255, 120, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.388, 42.628 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(255, 120, 82) }
```

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

```
.border{ border-color:rgb(255, 120, 82) }
```

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

Here you see how a box with a 4 pixel rgb(255, 120, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.388, 42.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 82) }
```

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

```
.background{ background-color: rgb(255,  
120, 82) }
```

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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