

Converting Colors

CIELCh(66, 67.769, 42.701)

Have a look what the booklet for
CIELCh(66, 67.769, 42.701) contains.

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Color

CIELCh(66, 67.205, 42.915)

Conversions

Conversions Part 1

Format	Color
Hex	FF7851
RGB	255, 120, 81
RGB Percent	100%, 47%, 32%
CMY	0.0000, 0.5309, 0.6841
CMYK	0.00, 0.53, 0.68, 0.00
HSL	13°, 100%, 66%
HSV	13°, 68%, 100%
XYZ	49.6439, 35.3238, 11.8986
YIQ	155.9190, 92.9790, 16.4910

Conversions

Conversions Part 2

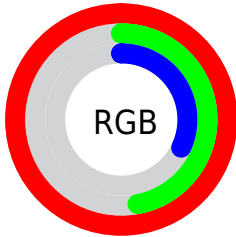
Format	Color
RYB	255, 131, 81
Decimal	16742481
CIELab	66.00, 49.22, 45.76
CIElCh	66, 67.205, 42.915
Yxy	35.3238, 0.5125, 0.3647
Android (android.graphics.Color)	4294932561 (0xFFFF7851)
YUV	155.9190, -36.9351, 86.8940
Hunter-Lab	59.4338, 45.0883, 29.7339

Details

The CIELCh color **66, 67.205, 42.915** 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, 38.635, 230.376**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 41.779, 54.024**, and **46, 66.904, 42.984** is the 20% darker color. If you saturate the color by 10%, you get **62, 78.700, 43.696**, and if you desaturate by 10%, it is **70, 55.200, 42.352**.

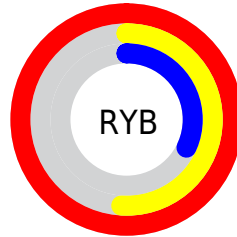
Distribution



Red (100%)

Green (47%)

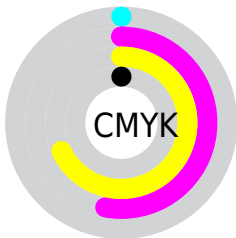
Blue (32%)



Red (100%)

Yellow (51%)

Blue (32%)

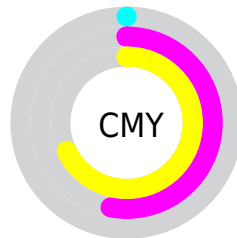


Cyan (0%)

Magenta (53%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 67.205, 42.915 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, 67.205, 42.915 by changing the saturation by 10% instead.

 66, 67.205, 42.915

 66, 67.205, 42.915

 100, 67.205,
42.915

 56, 67.205, 42.915

 86, 67.205, 42.915

 46, 67.205, 42.915

 96, 67.205, 42.915

 36, 67.205, 42.915

 26, 67.205, 42.915

 16, 67.205, 42.915

 6, 67.205, 42.915

 0, 67.205, 42.915

 66, 67.205, 42.915

 66, 67.205, 42.915

 62, 78.700, 43.696

 70, 55.200, 42.352

■ 59, 89.578, 44.180

■ 75, 44.009, 41.925

■ 57, 97.747, 43.815

■ 80, 33.513, 41.703

■ 56, 98.875, 43.772

■ 85, 23.771, 41.660

■ 90, 14.773, 41.757

■ 95, 6.476, 41.931

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, 67.205, 42.915



81, 38.635, 230.376

Rectangle

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



66, 67.205, 42.915



66, 67.205, 92.915



66, 67.205, 222.915



66, 67.205, 272.915

Sweetspot

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



66, 66.909, 42.977



89, 17.034, 41.721



63, 85.938, 336.082



46, 11.663, 41.691



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, 66.909, 42.977



61, 82.790, 43.925



85, 66.460, 85.746



50, 4.398, 41.913



42, 79.163, 44.222



12, 29.628, 38.594

Inverse Universe

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



81, 38.635, 230.376



78, 42.098, 234.447



57, 71.162, 289.274



52, 4.149, 222.765



57, 35.957, 240.862



18, 16.261, 235.018

Previews

White Background



This preview shows how the CIELCh color 66, 67.205, 42.915 looks on a white background.

Color Contrast Check

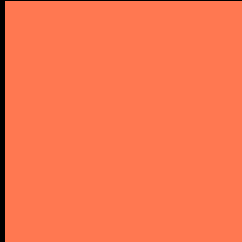
Large Text (above 18pt) WCAG AA × Fail

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, 67.205, 42.915 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, 67.205, 42.915

Background



This preview shows how black text looks on a background with the CIELCh color 66, 67.205, 42.915.



This preview shows how white text looks on a background with the CIELCh color 66, 67.205, 42.915.

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, 66.695, 42.979

Protanopia

66, 36.413, 95.961

Deuteranopia

66, 48.228, 80.327



Tritanopia
66, 57.975, 22.683

Trichromacy



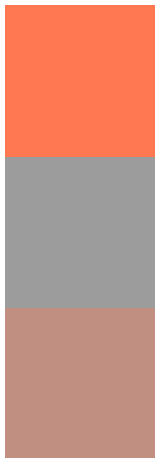
Original Color
66, 66.695, 42.979

Protanomaly
65, 41.523, 67.103

Deuteranomaly
65, 51.885, 62.816

Tritanomaly
66, 60.251, 30.581

Monochromacy



Original Color
66, 66.695, 42.979

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, 67.205, 42.915 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 67.205, 42.915 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, 81) }
```

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

```
.border{ border-color:rgb(255, 120, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 67.205, 42.915 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, 81) }
```

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

```
.background{ background-color: rgb(255,  
120, 81) }
```

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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