

Converting Colors

CIELCh(66, 69.667, 46.477)

Have a look what the booklet for
CIELCh(66, 69.667, 46.477) contains.

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Color

CIELCh(66, 69.660, 46.631)

Conversions

Conversions Part 1

Format	Color
Hex	FF7947
RGB	255, 121, 71
RGB Percent	100%, 47%, 28%
CMY	0.0006, 0.5260, 0.7221
CMYK	0.00, 0.53, 0.72, 0.00
HSL	16°, 100%, 64%
HSV	16°, 72%, 100%
XYZ	49.1340, 35.3238, 10.1688
YIQ	155.3660, 95.9140, 12.8580

Conversions

Conversions Part 2

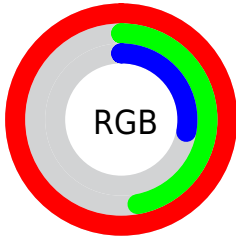
Format	Color
RYB	255, 140, 71
Decimal	16742727
CIELab	66.00, 47.84, 50.64
CIELCh	66, 69.660, 46.631
Yxy	35.3238, 0.5192, 0.3733
Android (android.graphics.Color)	4294932807 (0xFFFF7947)
YUV	155.3660, -41.5924, 87.3790
Hunter-Lab	59.4338, 43.5568, 31.4595

Details

The CIELCh color **66, 69.660, 46.631** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **77, 40.415, 239.770**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 45.459, 59.411**, and **46, 69.609, 46.617** is the 20% darker color. If you saturate the color by 10%, you get **62, 80.982, 46.761**, and if you desaturate by 10%, it is **70, 58.141, 46.442**.

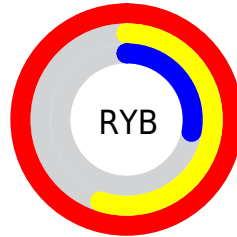
Distribution



Red (100%)

Green (47%)

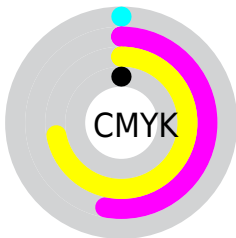
Blue (28%)



Red (100%)

Yellow (55%)

Blue (28%)

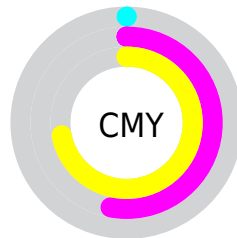


Cyan (0%)

Magenta (53%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 69.660, 46.631 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, 69.660, 46.631 by changing the saturation by 10% instead.

66, 69.660, 46.631

66, 69.660, 46.631

100, 69.660,
46.631

56, 69.660, 46.631

86, 69.660, 46.631

46, 69.660, 46.631

96, 69.660, 46.631

36, 69.660, 46.631

26, 69.660, 46.631

16, 69.660, 46.631

6, 69.660, 46.631

0, 69.660, 46.631

66, 69.660, 46.631

66, 69.660, 46.631

62, 80.982, 46.761

70, 58.141, 46.442

60, 90.835, 46.390

74, 47.018, 46.356

58, 96.606, 45.542

79, 36.532, 46.421

84, 26.763, 46.632

89, 17.715, 46.962

94, 9.350, 47.373

99, 1.611, 47.569

100, 0.057,
211.124

Harmonies

Complementary

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



66, 69.660, 46.631



77, 40.415, 239.770

Rectangle

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



66, 69.660, 46.631



66, 69.660, 96.631



66, 69.660, 226.631



66, 69.660, 276.631

Sweetspot

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



66, 69.658, 46.634



89, 17.561, 46.970



62, 85.917, 338.905



46, 11.930, 46.869



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, 69.658, 46.634



61, 86.068, 46.685



86, 71.549, 89.077



50, 4.318, 47.485



44, 77.355, 46.068



13, 28.940, 41.757

Inverse Universe

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



77, 40.415, 239.770



74, 44.529, 245.528



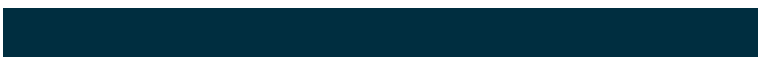
52, 81.095, 293.321



51, 4.089, 228.765



54, 37.879, 250.798



17, 16.770, 244.090

Previews

White Background



This preview shows how the CIELCh color 66, 69.660, 46.631 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, 69.660, 46.631 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, 69.660, 46.631

Background



This preview shows how black text looks on a background with the CIELCh color 66, 69.660, 46.631.



This preview shows how white text looks on a background with the CIELCh color 66, 69.660, 46.631.

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, 69.660, 46.631

Protanopia

66, 42.520, 96.065

Deuteranopia

66, 53.042, 80.939



Tritanopia
66, 57.507, 22.559

Trichromacy



Original Color
66, 69.660, 46.631



Protanomaly
65, 46.349, 70.697



Deuteranomaly
65, 56.227, 65.237



Tritanomaly
66, 60.630, 32.402

Monochromacy



Original Color
66, 69.660, 46.631



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 23.195, 47.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 69.660, 46.631 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, 121, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 71)  
}
```

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, 121, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 69.660, 46.631 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, 121, 71) }
```

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

```
.border{ border-color:rgb(255, 121, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 69.660, 46.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 71) }
```

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

```
.background{ background-color: rgb(255,  
121, 71) }
```

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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