

Converting Colors

CIELCh(66, 77.246, 52.952)

Have a look what the booklet for
CIELCh(66, 77.246, 52.952) contains.

CIELCh(66, 77.110, 52.928)	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(66, 77.110, 52.928)

Conversions

Conversions Part 1

Format	Color
Hex	FF7A2F
RGB	255, 122, 47
RGB Percent	100%, 48%, 18%
CMY	0.0006, 0.5220, 0.8162
CMYK	0.00, 0.52, 0.82, 0.00
HSL	22°, 100%, 59%
HSV	22°, 82%, 100%
XYZ	48.6391, 35.3238, 6.9307
YIQ	153.2170, 103.3430, 4.8710

Conversions

Conversions Part 2

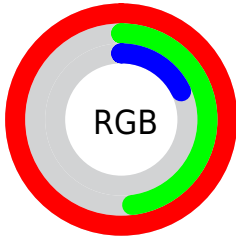
Format	Color
R _Y B	255, 164, 47
Decimal	16742959
CIE Lab	66.00, 46.48, 61.52
CIE LCh	66, 77.110, 52.928
Yxy	35.3238, 0.5351, 0.3886
Android (android.graphics.Color)	4294933039 (0xFFFF7A2F)
YUV	153.2170, -52.3650, 89.2637
Hunter-Lab	59.4338, 42.0705, 34.6898

Details

The CIELCh color **66, 77.110, 52.928** 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 **70, 47.799, 258.439**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 54.777, 67.605**, and **46, 73.628, 50.622** is the 20% darker color. If you saturate the color by 10%, you get **63, 86.287, 51.636**, and if you desaturate by 10%, it is **69, 66.512, 53.699**.

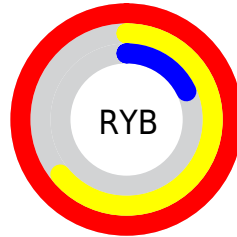
Distribution



Red (100%)

Green (48%)

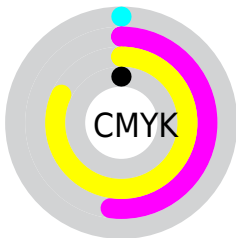
Blue (18%)



Red (100%)

Yellow (64%)

Blue (18%)

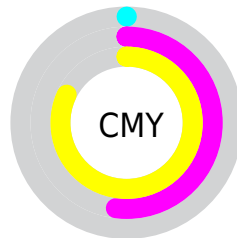


Cyan (0%)

Magenta (52%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (52%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 77.110, 52.928 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, 77.110, 52.928 by changing the saturation by 10% instead.

66, 77.110, 52.928

66, 77.110, 52.928

100, 77.110,
52.928

56, 77.110, 52.928

86, 77.110, 52.928

46, 77.110, 52.928

96, 77.110, 52.928

36, 77.110, 52.928

26, 77.110, 52.928

16, 77.110, 52.928

6, 77.110, 52.928

0, 77.110, 52.928

66, 77.110, 52.928

66, 77.110, 52.928

63, 86.287, 51.636

69, 66.512, 53.699

61, 92.059, 49.941

73, 55.660, 54.309

77, 45.114, 54.923

81, 35.112, 55.599

86, 25.731, 56.344

90, 16.973, 57.148

95, 8.804, 57.981

99, 1.173, 58.458

100, 0.053,
212.057

Harmonies

Complementary

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



66, 77.110, 52.928



70, 47.799, 258.439

Rectangle

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



66, 77.110, 52.928



66, 77.110, 102.928



66, 77.110, 232.928



66, 77.110, 282.928

Sweetspot

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



66, 77.108, 52.931



89, 19.024, 56.952



59, 86.556, 345.130



46, 13.236, 56.664



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, 77.108, 52.931



61, 90.772, 50.318



89, 81.894, 93.946



51, 4.284, 58.152



46, 73.727, 50.583



14, 27.832, 48.720

Inverse Universe

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



70, 47.799, 258.439



65, 54.445, 266.637



43, 103.470, 299.910



51, 4.100, 240.115



49, 43.983, 266.680



15, 18.692, 259.410

Previews

White Background



This preview shows how the CIELCh color 66, 77.110, 52.928 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, 77.110, 52.928 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, 77.110, 52.928

Background



This preview shows how black text looks on a background with the CIELCh color 66, 77.110, 52.928.



This preview shows how white text looks on a background with the CIELCh color 66, 77.110, 52.928.

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, 77.110, 52.928

Protanopia

66, 54.653, 95.309

Deuteranopia

66, 63.957, 82.386



Tritanopia
66, 57.507, 22.559

Trichromacy



Original Color
66, 77.110, 52.928

Protanomaly
65, 57.880, 75.854

Deuteranomaly
66, 66.574, 70.004

Tritanomaly
66, 62.593, 36.792

Monochromacy



Original Color
66, 77.110, 52.928

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 26.359, 56.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 77.110, 52.928 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, 122, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 47)  
}
```

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, 122, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 77.110, 52.928 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, 122, 47) }
```

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

```
.border{ border-color:rgb(255, 122, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 122, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 77.110, 52.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 47) }
```

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

```
.background{ background-color: rgb(255,  
122, 47) }
```

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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