

Converting Colors

CIELCh(67, 80.746, 62.664)

Have a look what the booklet for
CIELCh(67, 80.746, 62.664) contains.

CIELCh(67, 80.811, 62.525)	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(67, 80.811, 62.525)

Conversions

Conversions Part 1

Format	Color
Hex	F7850C
RGB	247, 133, 12
RGB Percent	97%, 52%, 5%
CMY	0.0308, 0.4780, 0.9520
CMYK	0.00, 0.46, 0.95, 0.03
HSL	31°, 94%, 51%
HSV	31°, 95%, 97%
XYZ	46.8767, 36.6320, 4.9555
YIQ	153.2920, 106.7850, -13.4630

Conversions

Conversions Part 2

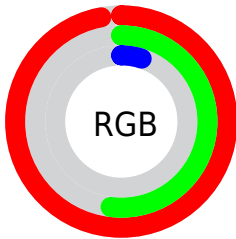
Format	Color
R _Y B	233, 247, 12
Decimal	16221452
CIE Lab	67.00, 37.28, 71.70
CIE LCh	67, 80.811, 62.525
Yxy	36.6320, 0.5299, 0.4141
Android (android.graphics.Color)	4294411532 (0xFFFF7850C)
YUV	153.2920, -69.6570, 82.1819
Hunter-Lab	60.5244, 32.3324, 37.5126

Details

The CIELCh color **67, 80.811, 62.525** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark saturated orange. A complement of this color would be **54, 70.175, 284.139**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 64.688, 77.166**, and **47, 68.021, 56.547** is the 20% darker color. If you saturate the color by 10%, you get **66, 83.048, 61.071**, and if you desaturate by 10%, it is **70, 74.736, 65.052**.

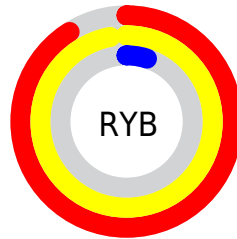
Distribution



Red (97%)

Green (52%)

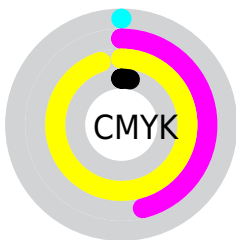
Blue (5%)



Red (91%)

Yellow (97%)

Blue (5%)

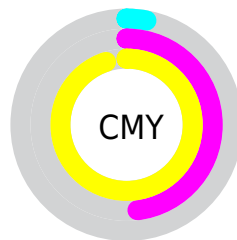


Cyan (0%)

Magenta (46%)

Yellow (95%)

Black (3%)



Cyan (3%)

Magenta (48%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 80.811, 62.525 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 67, 80.811, 62.525 by changing the saturation by 10% instead.

67, 80.811, 62.525

67, 80.811, 62.525

100, 80.811,
62.525

57, 80.811, 62.525

87, 80.811, 62.525

47, 80.811, 62.525

97, 80.811, 62.525

37, 80.811, 62.525

27, 80.811, 62.525

17, 80.811, 62.525

7, 80.811, 62.525

0, 80.811, 62.525

67, 80.811, 62.525

67, 80.811, 62.525

66, 83.048, 61.071

70, 74.736, 65.052

72, 66.489, 66.921

75, 57.213, 68.462

78, 47.663, 69.858

82, 38.230, 71.196

85, 29.095, 72.508

88, 20.327, 73.801

92, 11.937, 75.069

95, 3.911, 76.255

Harmonies

Complementary

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



67, 80.811, 62.525



54, 70.175, 284.139

Rectangle

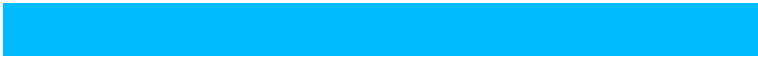
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 80.811, 62.525



67, 80.811, 112.525



67, 80.811, 242.525



67, 80.811, 292.525

Sweetspot

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



67, 80.809, 62.527



90, 24.364, 73.286



54, 82.167, 0.770



46, 16.880, 72.732



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 80.809, 62.527



68, 85.071, 61.003



94, 93.759, 102.916



49, 4.419, 75.751



50, 66.910, 61.786



15, 24.640, 62.960

Inverse Universe

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



54, 70.175, 284.139



54, 75.863, 286.410



32, 128.495, 305.976



49, 4.331, 258.297



39, 58.725, 285.497



10, 22.751, 278.332

Previews

White Background



This preview shows how the CIELCh color 67, 80.811, 62.525 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 67, 80.811, 62.525 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 67, 80.811, 62.525

Background



This preview shows how black text looks on a background with the CIELCh color 67, 80.811, 62.525.



This preview shows how white text looks on a background with the CIELCh color 67, 80.811, 62.525.

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

67, 80.811, 62.525

Protanopia

67, 66.598, 95.317

Deuteranopia

67, 71.569, 83.129



Tritanopia
67, 52.417, 20.228

Trichromacy



Original Color
67, 80.811, 62.525

Protanomaly
67, 68.454, 81.694

Deuteranomaly
67, 73.790, 74.697

Tritanomaly
67, 60.779, 43.630

Monochromacy



Original Color
67, 80.811, 62.525

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 30.772, 71.547

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 80.811, 62.525 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(247, 133, 12)` looks like.

```
.text, #text, p{  
    color:rgb(247, 133, 12)  
}
```

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(247, 133, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 133, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 80.811, 62.525 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(247, 133, 12) }
```

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

```
.border{ border-color:rgb(247, 133, 12) }
```

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

Here you see how a box with a 4 pixel rgb(247, 133, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 133, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 133, 12);  
box-shadow:4px 4px 4px 4px rgb(247, 133,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 80.811, 62.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 133, 12) }
```

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

```
.background{ background-color: rgb(247,  
133, 12) }
```

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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