

Converting Colors

CIELCh(63, 79.318, 54.086)

Have a look what the booklet for
CIELCh(63, 79.318, 54.086) contains.

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Color

CIELCh(63, 79.450, 54.121)

Conversions

Conversions Part 1

Format	Color
Hex	F6721F
RGB	246, 114, 31
RGB Percent	96%, 45%, 12%
CMY	0.0368, 0.5541, 0.8798
CMYK	0.00, 0.54, 0.88, 0.04
HSL	23°, 92%, 54%
HSV	23°, 88%, 96%
XYZ	44.0995, 31.5869, 5.0446
YIQ	144.0060, 105.3150, 2.1710

Conversions

Conversions Part 2

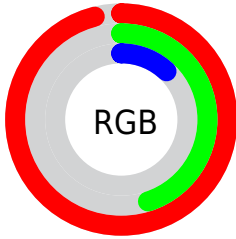
Format	Color
R_{YB}	246, 166, 31
Decimal	16151071
CIE _{Lab}	63.00, 46.56, 64.37
CIE _{LCh}	63, 79.450, 54.121
Yxy	31.5869, 0.5463, 0.3913
Android (android.graphics.Color)	4294341151 (0xFFFF6721F)
YUV	144.0060, -55.7120, 89.4487
Hunter-Lab	56.2022, 41.7074, 34.0198

Details

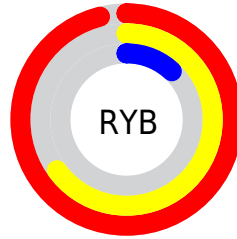
The CIELCh color **63, 79.450, 54.121** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **64, 50.879, 265.072**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 60.146, 65.737**, and **43, 71.977, 49.266** is the 20% darker color. If you saturate the color by 10%, you get **60, 86.607, 52.082**, and if you desaturate by 10%, it is **66, 70.059, 55.362**.

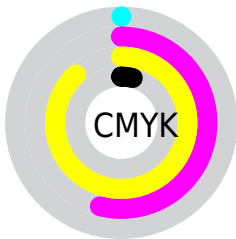
Distribution



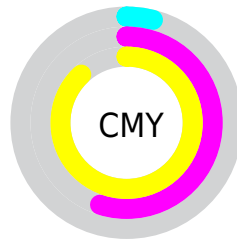
- Red (96%)
- Green (45%)
- Blue (12%)



- Red (96%)
- Yellow (65%)
- Blue (12%)



- Cyan (0%)
- Magenta (54%)
- Yellow (88%)
- Black (4%)



- Cyan (4%)
- Magenta (55%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 79.450, 54.121 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 63, 79.450, 54.121 by changing the saturation by 10% instead.

63, 79.450, 54.121

63, 79.450, 54.121

100, 79.450,
54.121

53, 79.450, 54.121

83, 79.450, 54.121

43, 79.450, 54.121

93, 79.450, 54.121

33, 79.450, 54.121

23, 79.450, 54.121

13, 79.450, 54.121

3, 79.450, 54.121

0, 79.450, 54.121

63, 79.450, 54.121

63, 79.450, 54.121

60, 86.607, 52.082

66, 70.059, 55.362

60, 88.176, 51.564

69, 59.803, 56.242

73, 49.526, 57.026

77, 39.622, 57.822

81, 30.247, 58.665

85, 21.445, 59.558

89, 13.204, 60.485

93, 5.485, 61.400

98, 1.761, 242.782

Harmonies

Complementary

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



63, 79.450, 54.121



64, 50.879, 265.072

Rectangle

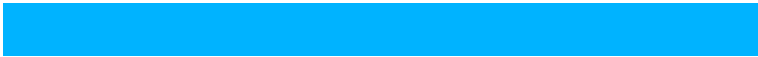
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 79.450, 54.121



63, 79.450, 104.121



63, 79.450, 234.121



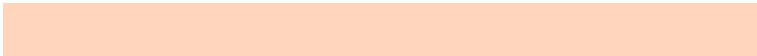
63, 79.450, 284.121

Sweetspot

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



63, 79.447, 54.124



89, 20.780, 59.693



55, 84.342, 348.657



46, 14.253, 59.376



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 79.447, 54.124



62, 90.777, 51.488



88, 84.025, 95.699



49, 4.159, 61.228



46, 71.193, 52.229



13, 25.147, 50.191

Inverse Universe

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



64, 50.879, 265.072



63, 58.211, 271.507



37, 111.706, 302.520



49, 3.997, 243.339



46, 45.271, 270.443



13, 18.254, 262.428

Previews

White Background



This preview shows how the CIELCh color 63, 79.450, 54.121 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 63, 79.450, 54.121 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 63, 79.450, 54.121

Background



This preview shows how black text looks on a background with the CIELCh color 63, 79.450, 54.121.



This preview shows how white text looks on a background with the CIELCh color 63, 79.450, 54.121.

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

63, 79.450, 54.121

Protanopia

63, 57.653, 95.096

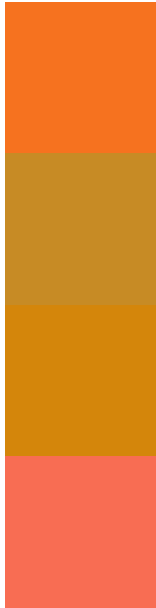
Deuteranopia

63, 67.996, 83.464



Tritanopia
63, 60.251, 23.524

Trichromacy



Original Color
63, 79.450, 54.121

Protanomaly
62, 60.862, 76.317

Deuteranomaly
63, 70.279, 71.564

Tritanomaly
63, 65.625, 38.222

Monochromacy



Original Color
63, 79.450, 54.121

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 27.549, 58.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 79.450, 54.121 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(246, 114, 31)` looks like.

```
.text, #text, p{  
    color:rgb(246, 114, 31)  
}
```

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(246, 114, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 114, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 79.450, 54.121 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(246, 114, 31) }
```

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

```
.border{ border-color:rgb(246, 114, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 114, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 114, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 114, 31);  
box-shadow:4px 4px 4px 4px rgb(246, 114,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 79.450, 54.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 114, 31) }
```

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

```
.background{ background-color: rgb(246,  
114, 31) }
```

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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