

Converting Colors

CIELCh(64, 77.115, 54.088)

Have a look what the booklet for
CIELCh(64, 77.115, 54.088) contains.

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Color

CIELCh(64, 77.066, 54.101)

Conversions

Conversions Part 1

Format	Color
Hex	F77627
RGB	247, 118, 39
RGB Percent	97%, 46%, 15%
CMY	0.0322, 0.5379, 0.8477
CMYK	0.00, 0.52, 0.84, 0.03
HSL	23°, 93%, 56%
HSV	23°, 84%, 97%
XYZ	45.1102, 32.8017, 5.8583
YIQ	147.5650, 102.2430, 2.7790

Conversions

Conversions Part 2

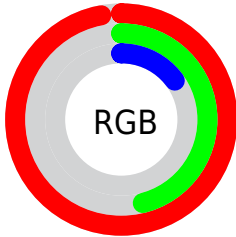
Format	Color
R _Y B	247, 166, 39
Decimal	16217639
CIE Lab	64.00, 45.19, 62.43
CIE LCh	64, 77.066, 54.101
Yxy	32.8017, 0.5385, 0.3916
Android (android.graphics.Color)	4294407719 (0xFFFF77627)
YUV	147.5650, -53.5225, 87.2045
Hunter-Lab	57.2727, 40.3663, 34.0263

Details

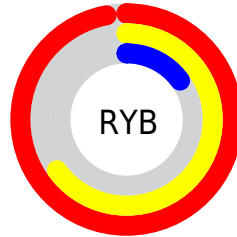
The CIELCh color **64, 77.066, 54.101** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **66, 49.107, 262.563**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 57.436, 66.355**, and **44, 71.485, 50.379** is the 20% darker color. If you saturate the color by 10%, you get **61, 85.185, 52.416**, and if you desaturate by 10%, it is **67, 67.157, 55.130**.

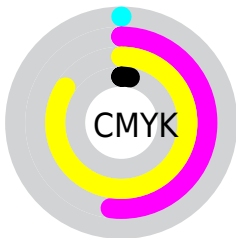
Distribution



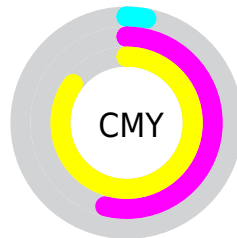
- Red (97%)
- Green (46%)
- Blue (15%)



- Red (97%)
- Yellow (65%)
- Blue (15%)



- Cyan (0%)
- Magenta (52%)
- Yellow (84%)
- Black (3%)



- Cyan (3%)
- Magenta (54%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 77.066, 54.101 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 64, 77.066, 54.101 by changing the saturation by 10% instead.

 64, 77.066, 54.101

 64, 77.066, 54.101

 100, 77.066,
54.101

 54, 77.066, 54.101

 84, 77.066, 54.101

 44, 77.066, 54.101

 94, 77.066, 54.101

 34, 77.066, 54.101

 24, 77.066, 54.101

 14, 77.066, 54.101

 4, 77.066, 54.101

 0, 77.066, 54.101

 64, 77.066, 54.101

 64, 77.066, 54.101

 61, 85.185, 52.416

 67, 67.157, 55.130

60, 88.823, 51.157

71, 56.735, 55.912

74, 46.472, 56.650

78, 36.664, 57.423

82, 27.422, 58.251

87, 18.763, 59.129

91, 10.665, 60.037

95, 3.084, 60.869

99, 2.839, 199.459

Harmonies

Complementary

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



64, 77.066, 54.101



66, 49.107, 262.563

Rectangle

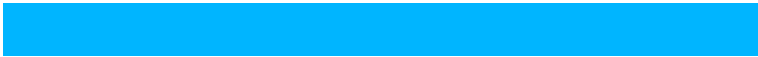
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 77.066, 54.101



64, 77.066, 104.101



64, 77.066, 234.101



64, 77.066, 284.101

Sweetspot

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



64, 77.064, 54.104



89, 19.902, 59.060



56, 84.551, 346.746



46, 13.743, 58.747



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 77.064, 54.104



61, 91.105, 51.090



87, 82.065, 94.847



49, 4.154, 60.465



46, 71.444, 51.825



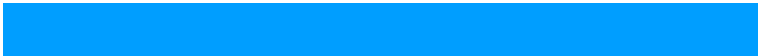
13, 25.202, 49.600

Inverse Universe

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



66, 49.107, 262.563



63, 57.456, 270.577



40, 106.210, 301.186



49, 3.988, 242.539



47, 44.700, 269.509



13, 18.073, 261.480

Previews

White Background



This preview shows how the CIELCh color 64, 77.066, 54.101 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 64, 77.066, 54.101 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 64, 77.066, 54.101

Background



This preview shows how black text looks on a background with the CIELCh color 64, 77.066, 54.101.



This preview shows how white text looks on a background with the CIELCh color 64, 77.066, 54.101.

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

64, 77.066, 54.101

Protanopia

64, 55.770, 95.623

Deuteranopia

64, 64.752, 82.595



Tritanopia
64, 58.639, 22.556

Trichromacy



Original Color
64, 77.066, 54.101

Protanomaly
63, 58.626, 76.703

Deuteranomaly
63, 67.123, 70.585

Tritanomaly
64, 63.432, 37.408

Monochromacy



Original Color
64, 77.066, 54.101

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 26.265, 57.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 77.066, 54.101 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, 118, 39)` looks like.

```
.text, #text, p{  
    color:rgb(247, 118, 39)  
}
```

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, 118, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 118, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 77.066, 54.101 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, 118, 39) }
```

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

```
.border{ border-color:rgb(247, 118, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 118, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 118, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 118, 39);  
box-shadow:4px 4px 4px 4px rgb(247, 118,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 77.066, 54.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 118, 39) }
```

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

```
.background{ background-color: rgb(247,  
118, 39) }
```

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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