

Converting Colors

CIELCh(75, 63.967, 66.273)

Have a look what the booklet for
CIELCh(75, 63.967, 66.273) contains.

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Color

CIELCh(75, 64.062, 66.228)

Conversions

Conversions Part 1

Format	Color
Hex	FEA44A
RGB	254, 164, 74
RGB Percent	100%, 64%, 29%
CMY	0.0027, 0.3558, 0.7087
CMYK	0.00, 0.35, 0.71, 0.00
HSL	30°, 99%, 64%
HSV	30°, 71%, 100%
XYZ	55.5596, 48.2781, 12.9161
YIQ	180.6500, 82.5300, -8.9100

Conversions

Conversions Part 2

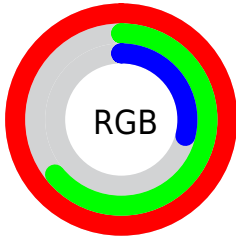
Format	Color
RYB	254, 254, 74
Decimal	16688202
CIELab	75.00, 25.82, 58.63
CIELCh	75, 64.062, 66.228
Yxy	48.2781, 0.4759, 0.4135
Android (android.graphics.Color)	4294878282 (0xFFFEA44A)
YUV	180.6500, -52.5785, 64.3280
Hunter-Lab	69.4824, 21.1379, 37.6163

Details

The CIELCh color **75, 64.062, 66.228** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **66, 52.472, 272.138**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 49.545, 88.546**, and **55, 63.887, 66.339** is the 20% darker color. If you saturate the color by 10%, you get **72, 73.215, 64.578**, and if you desaturate by 10%, it is **78, 54.283, 67.651**.

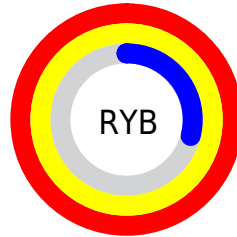
Distribution



Red (100%)

Green (64%)

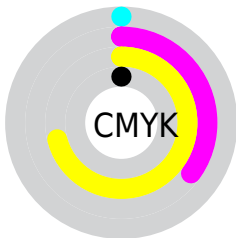
Blue (29%)



Red (100%)

Yellow (100%)

Blue (29%)

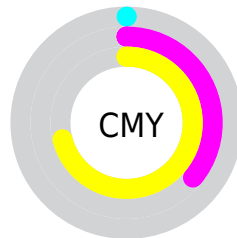


Cyan (0%)

Magenta (35%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (36%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 64.062, 66.228 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 75, 64.062, 66.228 by changing the saturation by 10% instead.

 75, 64.062, 66.228

 75, 64.062, 66.228

 100, 64.062,
66.228

 65, 64.062, 66.228

 95, 64.062, 66.228

 55, 64.062, 66.228

 45, 64.062, 66.228

 35, 64.062, 66.228

 25, 64.062, 66.228

 15, 64.062, 66.228

 5, 64.062, 66.228

 0, 64.062, 66.228

 75, 64.062, 66.228

 75, 64.062, 66.228

72, 73.215, 64.578

78, 54.283, 67.651

69, 80.705, 62.414

81, 44.473, 68.976

67, 85.424, 59.783

85, 34.918, 70.266

88, 25.738, 71.542

92, 16.968, 72.804

96, 8.601, 74.033

99, 0.613, 74.596

100, 0.236,
202.196

Harmonies

Complementary

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



75, 64.062, 66.228



66, 52.472, 272.138

Rectangle

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



75, 64.062, 66.228



75, 64.062, 116.228



75, 64.062, 246.228



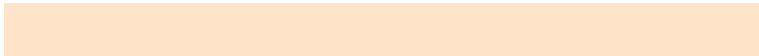
75, 64.062, 296.228

Sweetspot

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



75, 64.061, 66.231



92, 17.179, 72.778



61, 75.167, 351.893



48, 11.705, 72.431



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 64.061, 66.231



71, 76.806, 63.750



96, 82.080, 102.984



51, 4.525, 74.186



51, 68.694, 60.488



16, 27.010, 61.820

Inverse Universe

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



66, 52.472, 272.138



60, 62.643, 278.159



44, 102.967, 301.683



51, 4.425, 256.720



41, 58.301, 284.181



12, 23.730, 277.625

Previews

White Background



This preview shows how the CIELCh color 75, 64.062, 66.228 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 75, 64.062, 66.228 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 75, 64.062, 66.228

Background



This preview shows how black text looks on a background with the CIELCh color 75, 64.062, 66.228.



This preview shows how white text looks on a background with the CIELCh color 75, 64.062, 66.228.

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

75, 64.062, 66.228

Protanopia

75, 54.895, 95.274

Deuteranopia

75, 59.987, 81.037



Tritanopia
75, 39.026, 14.676

Trichromacy



Original Color
75, 64.062, 66.228

Protanomaly
75, 56.066, 83.170

Deuteranomaly
75, 61.067, 75.482

Tritanomaly
75, 43.185, 41.075

Monochromacy



Original Color
75, 64.062, 66.228

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 22.558, 71.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 64.062, 66.228 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(254, 164, 74)` looks like.

```
.text, #text, p{  
    color:rgb(254, 164, 74)  
}
```

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(254, 164, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 164, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 64.062, 66.228 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(254, 164, 74) }
```

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

```
.border{ border-color:rgb(254, 164, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 164, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 164, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 164, 74);  
box-shadow:4px 4px 4px 4px rgb(254, 164,  
74) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 64.062, 66.228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 164, 74) }
```

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

```
.background{ background-color: rgb(254,  
164, 74) }
```

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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