

# Converting Colors

CIELCh(65, 65.375, 40.848)

Have a look what the booklet for  
CIELCh(65, 65.375, 40.848) contains.

<b>CIELCh(65, 65.188, 40.875)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(65, 65.188, 40.875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC7554
RGB	252, 117, 84
RGB Percent	99%, 46%, 33%
CMY	0.0119, 0.5412, 0.6707
CMYK	0.00, 0.54, 0.67, 0.01
HSL	12°, 97%, 66%
HSV	12°, 67%, 99%
XYZ	48.0930, 34.0472, 12.4201
YIQ	153.6030, 91.0530, 18.3570

# Conversions

## Conversions Part 2

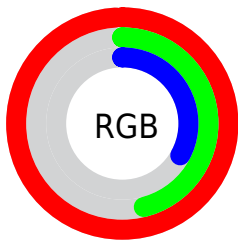
Format	Color
R <sub>Y</sub> B	252, 125, 84
Decimal	16545108
CIE Lab	65.00, 49.29, 42.66
CIE LCh	65, 65.188, 40.875
Yxy	34.0472, 0.5086, 0.3601
Android (android.graphics.Color)	4294735188 (0xFFFC7554)
YUV	153.6030, -34.3143, 86.2942
Hunter-Lab	58.3500, 45.0101, 28.2248

# Details

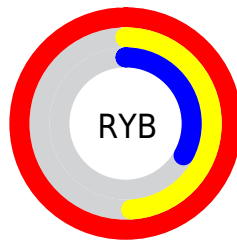
The CIELCh color **65, 65.188, 40.875** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **82, 37.779, 225.306**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 41.015, 49.946**, and **45, 65.103, 40.784** is the 20% darker color. If you saturate the color by 10%, you get **61, 77.021, 41.908**, and if you desaturate by 10%, it is **69, 53.512, 40.017**.

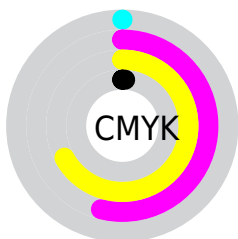
# Distribution



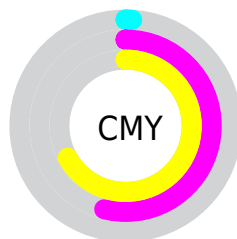
- Red (99%)
- Green (46%)
- Blue (33%)



- Red (99%)
- Yellow (49%)
- Blue (33%)



- Cyan (0%)
- Magenta (54%)
- Yellow (67%)
- Black (1%)



- Cyan (1%)
- Magenta (54%)
- Yellow (67%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 65.188, 40.875 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 65, 65.188, 40.875 by changing the saturation by 10% instead.



 65, 65.188, 40.875

 65, 65.188, 40.875

 100, 65.188,  
40.875

 55, 65.188, 40.875

 85, 65.188, 40.875

 45, 65.188, 40.875

 95, 65.188, 40.875

 35, 65.188, 40.875

 25, 65.188, 40.875

 15, 65.188, 40.875

 5, 65.188, 40.875

 0, 65.188, 40.875

 65, 65.188, 40.875

 65, 65.188, 40.875

 61, 77.021, 41.908

 69, 53.512, 40.017

58, 88.154, 42.826

74, 42.380, 39.399

56, 96.791, 42.964

79, 31.951, 39.015

55, 99.099, 42.947

84, 22.278, 38.828

90, 13.350, 38.791

95, 5.124, 38.821

100, 1.052,  
199.968

# Harmonies

# Complementary

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



65, 65.188, 40.875



82, 37.779, 225.306

# Rectangle

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



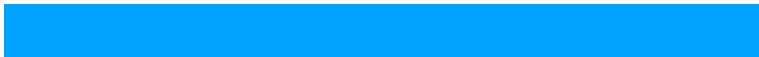
65, 65.188, 40.875



65, 65.188, 90.875



65, 65.188, 220.875



65, 65.188, 270.875

# Sweetspot

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



65, 65.186, 40.878



89, 16.401, 38.790



64, 85.564, 334.450



46, 11.323, 38.799



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



65, 65.186, 40.878



61, 81.664, 42.254



83, 63.151, 83.307



49, 4.388, 38.818



41, 79.289, 43.359



11, 28.784, 36.330



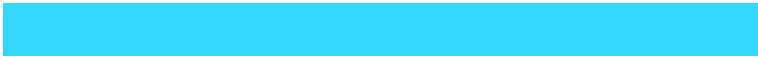


# Inverse Universe

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



82, 37.779, 225.306



80, 41.488, 228.634



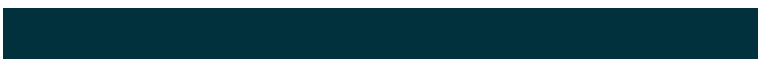
59, 65.228, 286.551



51, 4.134, 219.418



58, 34.983, 234.858



18, 15.717, 229.437



# Previews

## White Background



This preview shows how the CIELCh color 65, 65.188, 40.875 looks on a white background.

## Color Contrast Check

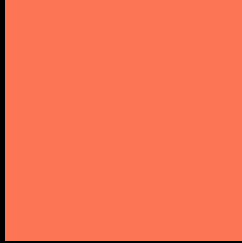
Large Text (above 18pt) WCAG AA × Fail

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 65, 65.188, 40.875 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 65, 65.188, 40.875

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 65.188, 40.875.

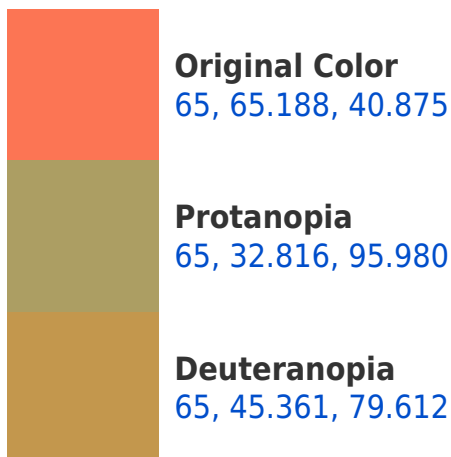


This preview shows how white text looks on a background with the CIELCh color 65, 65.188, 40.875.

# 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





**Tritanopia**  
65, 59.308, 22.602



# Trichromacy



**Original Color**  
65, 65.188, 40.875

**Protanomaly**  
64, 38.353, 64.584

**Deuteranomaly**  
65, 49.264, 61.122

**Tritanomaly**  
65, 60.492, 29.783

# Monochromacy



**Original Color**  
65, 65.188, 40.875

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
63, 21.766, 38.923

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 65.188, 40.875 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(252, 117, 84)` looks like.

```
.text, #text, p{  
    color:rgb(252, 117, 84)  
}
```

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(252, 117, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 117, 84) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 65.188, 40.875 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(252, 117, 84) }
```

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

```
.border{ border-color:rgb(252, 117, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 117, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 117, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 117, 84);  
box-shadow:4px 4px 4px 4px rgb(252, 117,  
84) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 65.188, 40.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 117, 84) }
```

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

```
.background{ background-color: rgb(252,  
117, 84) }
```

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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