

# Converting Colors

CIELCh(65, 51.731, 35.260)

Have a look what the booklet for  
CIELCh(65, 51.731, 35.260) contains.

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# **Color**

**CIELCh(65, 51.580, 35.238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF7D6B
RGB	239, 125, 107
RGB Percent	94%, 49%, 42%
CMY	0.0631, 0.5100, 0.5806
CMYK	0.00, 0.48, 0.55, 0.06
HSL	8°, 80%, 68%
HSV	8°, 55%, 94%
XYZ	45.5456, 34.0472, 18.0635
YIQ	157.0340, 73.7220, 18.5700

# Conversions

## Conversions Part 2

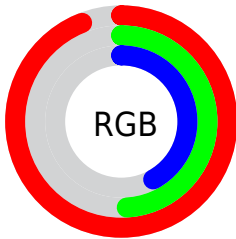
Format	Color
R <sub>Y</sub> B	239, 128, 107
Decimal	15695211
CIE Lab	65.00, 42.13, 29.76
CIE LCh	65, 51.580, 35.238
Yxy	34.0472, 0.4664, 0.3486
Android (android.graphics.Color)	4293885291 (0xFFEF7D6B)
YUV	157.0340, -24.6668, 71.8842
Hunter-Lab	58.3500, 37.2174, 22.4905

# Details

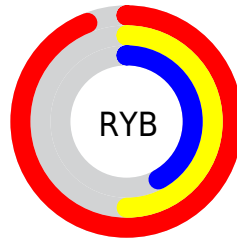
The CIELCh color **65, 51.580, 35.238** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **82, 33.172, 214.247**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 32.835, 41.186**, and **45, 51.423, 35.533** is the 20% darker color. If you saturate the color by 10%, you get **61, 62.958, 36.643**, and if you desaturate by 10%, it is **70, 40.678, 34.175**.

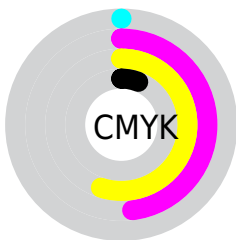
# Distribution



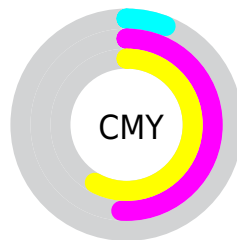
- Red (94%)
- Green (49%)
- Blue (42%)



- Red (94%)
- Yellow (50%)
- Blue (42%)



- Cyan (0%)
- Magenta (48%)
- Yellow (55%)
- Black (6%)



- Cyan (6%)
- Magenta (51%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 51.580, 35.238 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, 51.580, 35.238 by changing the saturation by 10% instead.



65, 51.580, 35.238

65, 51.580, 35.238

100, 51.580,  
35.238

55, 51.580, 35.238

85, 51.580, 35.238

45, 51.580, 35.238

95, 51.580, 35.238

35, 51.580, 35.238

25, 51.580, 35.238

15, 51.580, 35.238

5, 51.580, 35.238

0, 51.580, 35.238

65, 51.580, 35.238

65, 51.580, 35.238

61, 62.958, 36.643

70, 40.678, 34.175

57, 74.468, 38.342

75, 30.430, 33.409

54, 85.365, 40.095

80, 20.902, 32.886

52, 94.026, 41.227

86, 12.101, 32.545

51, 97.110, 41.573

91, 3.991, 32.269

97, 3.481, 212.551

99, 5.528, 199.175

# Harmonies

# Complementary

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



65, 51.580, 35.238



82, 33.172, 214.247

# Rectangle

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



65, 51.580, 35.238



65, 51.580, 85.238



65, 51.580, 215.238



65, 51.580, 265.238

# Sweetspot

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



65, 51.578, 35.241



90, 14.338, 32.597



65, 73.450, 331.681



47, 9.672, 32.659



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, 51.578, 35.241



64, 67.339, 36.800



80, 48.919, 80.838



47, 4.415, 32.398



39, 79.364, 41.864



9, 27.165, 31.394





# Inverse Universe

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



82, 33.172, 214.247



85, 38.826, 215.456



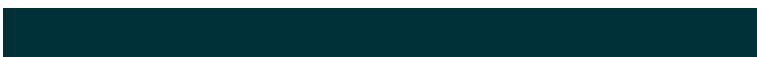
64, 47.559, 279.267



49, 4.152, 212.460



60, 34.176, 221.729



18, 15.049, 217.747



# Previews

## White Background



This preview shows how the CIELCh color 65, 51.580, 35.238 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, 51.580, 35.238 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, 51.580, 35.238

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 51.580, 35.238.

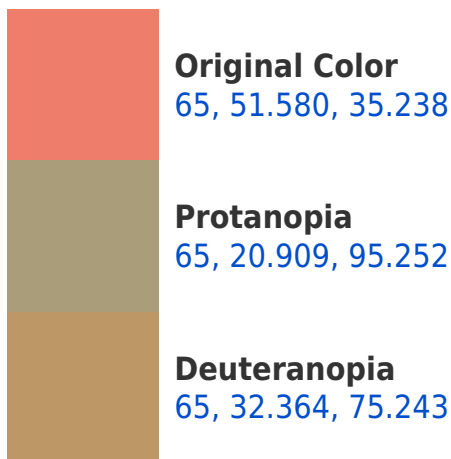


This preview shows how white text looks on a background with the CIELCh color 65, 51.580, 35.238.

# 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, 48.992, 20.107



# Trichromacy



**Original Color**  
65, 51.580, 35.238

**Protanomaly**  
64, 26.953, 58.300

**Deuteranomaly**  
65, 36.759, 55.541

**Tritanomaly**  
65, 49.618, 25.561

# Monochromacy



**Original Color**  
65, 51.580, 35.238

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
64, 17.574, 31.821

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 51.580, 35.238 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(239, 125, 107)` looks like.

```
.text, #text, p{  
    color:rgb(239, 125, 107)  
}
```

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(239, 125, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 125, 107) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 51.580, 35.238 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(239, 125, 107) }
```

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

```
.border{ border-color:rgb(239, 125, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 125, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 125, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 125, 107);  
box-shadow:4px 4px 4px 4px rgb(239, 125,  
107) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 51.580, 35.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 125, 107) }
```

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

```
.background{ background-color: rgb(239,  
125, 107) }
```

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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