

# Converting Colors

CIELCh(66, 42.717, 35.853)

Have a look what the booklet for  
CIELCh(66, 42.717, 35.853) contains.

<b>CIELCh(66, 42.794, 36.382)</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(66, 42.794, 36.382)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E68775
RGB	230, 135, 117
RGB Percent	90%, 53%, 46%
CMY	0.0991, 0.4715, 0.5420
CMYK	0.00, 0.41, 0.49, 0.10
HSL	10°, 69%, 68%
HSV	10°, 49%, 90%
XYZ	44.3803, 35.3238, 21.2418
YIQ	161.3530, 62.3980, 14.5420

# Conversions

## Conversions Part 2

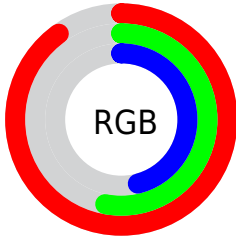
Format	Color
R <sub>Y</sub> B	230, 138, 117
Decimal	15107957
CIE Lab	66.00, 34.45, 25.38
CIE LCh	66, 42.794, 36.382
Yxy	35.3238, 0.4396, 0.3499
Android (android.graphics.Color)	4293298037 (0xFFE68775)
YUV	161.3530, -21.8660, 60.2034
Hunter-Lab	59.4338, 29.2800, 20.4133

# Details

The CIELCh color **66, 42.794, 36.382** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80, 29.242, 216.931**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 28.727, 42.534**, and **46, 42.605, 36.406** is the 20% darker color. If you saturate the color by 10%, you get **62, 53.442, 37.377**, and if you desaturate by 10%, it is **71, 32.746, 35.680**.

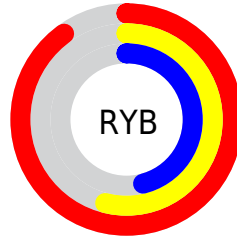
# Distribution



Red (90%)

Green (53%)

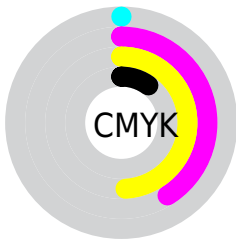
Blue (46%)



Red (90%)

Yellow (54%)

Blue (46%)

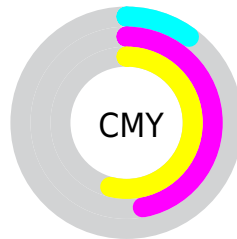


Cyan (0%)

Magenta (41%)

Yellow (49%)

Black (10%)



Cyan (10%)

Magenta (47%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 42.794, 36.382 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 66, 42.794, 36.382 by changing the saturation by 10% instead.



66, 42.794, 36.382

66, 42.794, 36.382

100, 42.794,  
36.382

56, 42.794, 36.382

86, 42.794, 36.382

46, 42.794, 36.382

96, 42.794, 36.382

36, 42.794, 36.382

26, 42.794, 36.382

16, 42.794, 36.382

6, 42.794, 36.382

0, 42.794, 36.382

66, 42.794, 36.382

66, 42.794, 36.382

62, 53.442, 37.377

71, 32.746, 35.680

58, 64.496, 38.661

76, 23.389, 35.215

54, 75.519, 40.142

81, 14.735, 34.939

52, 85.552, 41.458

86, 6.758, 34.780

50, 92.984, 42.024

92, 0.591, 215.911

50, 93.544, 42.100

97, 7.374, 215.051

98, 8.607, 198.938

# Harmonies

# Complementary

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



66, 42.794, 36.382



80, 29.242, 216.931

# Rectangle

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



66, 42.794, 36.382



66, 42.794, 86.382



66, 42.794, 216.382



66, 42.794, 266.382

# Sweetspot

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



66, 42.792, 36.386



91, 12.336, 34.866



65, 63.638, 331.905



47, 8.492, 34.902



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



66, 42.792, 36.386



68, 58.030, 37.397



79, 42.465, 83.181



45, 4.189, 34.785



39, 77.081, 42.430



8, 24.262, 30.664





# Inverse Universe

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



80, 29.242, 216.931



86, 35.958, 218.073



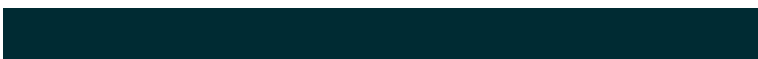
64, 41.780, 278.860



47, 3.942, 215.049



57, 33.318, 226.591



15, 14.054, 221.325



# Previews

## White Background



This preview shows how the CIELCh color 66, 42.794, 36.382 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 66, 42.794, 36.382 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 66, 42.794, 36.382**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 66, 42.794, 36.382.

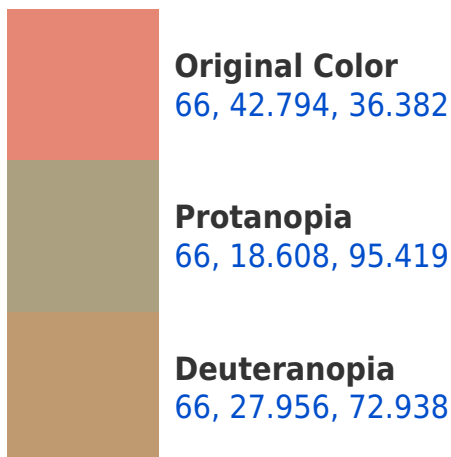


This preview shows how white text looks on a background with the CIELCh color 66, 42.794, 36.382.

# 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**  
66, 41.456, 16.582



# Trichromacy



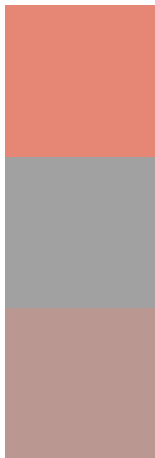
**Original Color**  
66, 42.794, 36.382

**Protanomaly**  
66, 23.177, 60.066

**Deuteranomaly**  
66, 31.638, 55.648

**Tritanomaly**  
66, 41.401, 23.821

# Monochromacy



**Original Color**  
66, 42.794, 36.382

**Achromatopsia**  
66, 0.008, 296.813

**Achromatomaly**  
65, 14.564, 33.715

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 66, 42.794, 36.382 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(230, 135, 117)` looks like.

```
.text, #text, p{  
    color:rgb(230, 135, 117)  
}
```

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(230, 135, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 135, 117) }
```

## Border

The CSS property to change the border of an element to CIELCh 66, 42.794, 36.382 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(230, 135, 117) }
```

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

```
.border{ border-color:rgb(230, 135, 117) }
```

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

Here you see how a box with a 4 pixel rgb(230, 135, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 135, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 135, 117);  
box-shadow:4px 4px 4px 4px rgb(230, 135,  
117) }
```

# Background

The CSS property to change the background color of an element to CIELCh 66, 42.794, 36.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 135, 117) }
```

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

```
.background{ background-color: rgb(230,  
135, 117) }
```

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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