

# Converting Colors

CIELCh(75, 43.567, 45.511)

Have a look what the booklet for  
CIELCh(75, 43.567, 45.511) contains.

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# Color

**CIELCh(75, 43.462, 45.827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDA281
RGB	253, 162, 129
RGB Percent	99%, 64%, 51%
CMY	0.0081, 0.3649, 0.4943
CMYK	0.00, 0.36, 0.49, 0.01
HSL	16°, 97%, 75%
HSV	16°, 49%, 99%
XYZ	57.3577, 48.2781, 27.0473
YIQ	185.4470, 64.8290, 9.0290

# Conversions

## Conversions Part 2

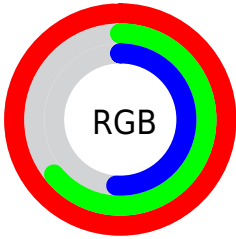
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">253, 174, 129</a>
Decimal	<a href="#">16622209</a>
<a href="#">CIELab</a>	<a href="#">75.00, 30.29, 31.17</a>
<a href="#">CIElCh</a>	<a href="#">75, 43.462, 45.827</a>
<a href="#">Yxy</a>	<a href="#">48.2781, 0.4323, 0.3639</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294812289 (0xFFFDA281)</a>
<a href="#">YUV</a>	<a href="#">185.4470, -27.8284, 59.2440</a>
<a href="#">Hunter-Lab</a>	<a href="#">69.4824, 25.7572, 25.5580</a>

# Details

The CIELCh color **75, 43.462, 45.827** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **83, 30.744, 232.819**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 23.632, 69.661**, and **55, 43.598, 45.641** is the 20% darker color. If you saturate the color by 10%, you get **71, 54.364, 45.917**, and if you desaturate by 10%, it is **80, 33.230, 45.905**.

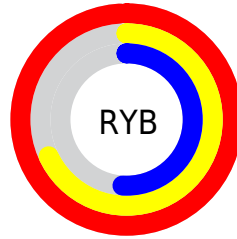
# Distribution



Red (99%)

Green (64%)

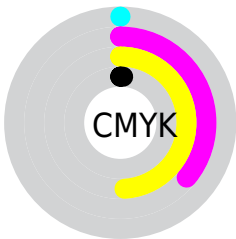
Blue (51%)



Red (99%)

Yellow (68%)

Blue (51%)

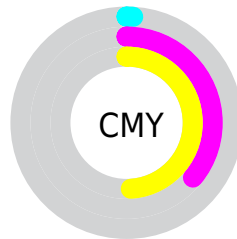


Cyan (0%)

Magenta (36%)

Yellow (49%)

Black (1%)



Cyan (1%)

Magenta (36%)

Yellow (49%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 43.462, 45.827 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, 43.462, 45.827 by changing the saturation by 10% instead.



 75, 43.462, 45.827

 75, 43.462, 45.827

 100, 43.462,  
45.827

 65, 43.462, 45.827

 95, 43.462, 45.827

 55, 43.462, 45.827

 45, 43.462, 45.827

 35, 43.462, 45.827

 25, 43.462, 45.827

 15, 43.462, 45.827

 5, 43.462, 45.827

 0, 43.462, 45.827

 75, 43.462, 45.827

 75, 43.462, 45.827

71, 54.364, 45.917

80, 33.230, 45.905

67, 65.764, 46.138

84, 23.725, 46.122

63, 77.216, 46.378

89, 14.930, 46.452

60, 87.710, 46.303

95, 6.803, 46.842

57, 95.616, 45.397

100, 0.644,  
211.164

57, 96.318, 45.326

100, 0.715,  
200.287

# Harmonies

# Complementary

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



75, 43.462, 45.827



83, 30.744, 232.819

# Rectangle

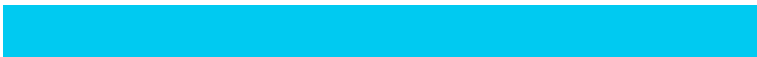
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



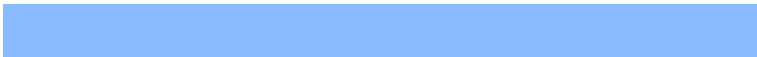
75, 43.462, 45.827



75, 43.462, 95.827



75, 43.462, 225.827



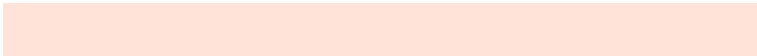
75, 43.462, 275.827

# Sweetspot

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



75, 43.460, 45.832



92, 11.664, 46.607



71, 64.133, 335.901



48, 8.025, 46.524



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, 43.460, 45.832



71, 54.706, 45.917



89, 49.252, 91.037



50, 4.325, 46.824



43, 77.575, 45.832



12, 29.018, 41.365





# Inverse Universe

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



83, 30.744, 232.819



81, 35.477, 235.013



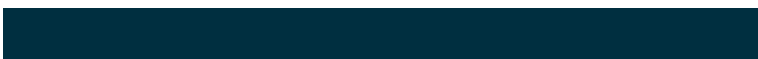
67, 51.578, 285.790



51, 4.094, 228.054



55, 37.600, 249.677



17, 16.690, 243.048



# Previews

## White Background



This preview shows how the CIELCh color 75, 43.462, 45.827 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, 43.462, 45.827 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, 43.462, 45.827

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 43.462, 45.827.



This preview shows how white text looks on a background with the CIELCh color 75, 43.462, 45.827.

# 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, 43.462, 45.827

### Protanopia

75, 25.177, 95.627

### Deuteranopia

75, 33.471, 73.706



**Tritanopia**  
75, 39.016, 13.898



# Trichromacy



**Original Color**  
75, 43.462, 45.827

**Protanomaly**  
75, 28.623, 71.279

**Deuteranomaly**  
75, 36.096, 61.967

**Tritanomaly**  
75, 38.922, 26.799

# Monochromacy



**Original Color**  
75, 43.462, 45.827

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
75, 14.590, 46.428

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 43.462, 45.827 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(253, 162, 129)` looks like.

```
.text, #text, p{  
    color:rgb(253, 162, 129)  
}
```

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(253, 162, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 162, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 43.462, 45.827 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(253, 162, 129) }
```

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

```
.border{ border-color:rgb(253, 162, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 162, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 162, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 162, 129);  
box-shadow:4px 4px 4px 4px rgb(253, 162,  
129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 43.462, 45.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 162, 129) }
```

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

```
.background{ background-color: rgb(253,  
162, 129) }
```

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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