

Converting Colors

CIELCh(75, 47.662, 54.473)

Have a look what the booklet for
CIELCh(75, 47.662, 54.473) contains.

CIELCh(75, 47.565, 54.460)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(75, 47.565, 54.460)

Conversions

Conversions Part 1

Format	Color
Hex	FCA473
RGB	252, 164, 115
RGB Percent	99%, 64%, 45%
CMY	0.0133, 0.3582, 0.5503
CMYK	0.00, 0.35, 0.54, 0.01
HSL	21°, 95%, 72%
HSV	21°, 54%, 99%
XYZ	56.2903, 48.2781, 22.4719
YIQ	184.7260, 68.1770, 3.4170

Conversions

Conversions Part 2

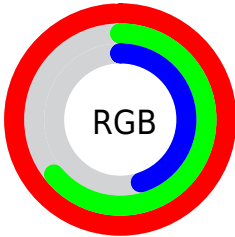
Format	Color
R _Y B	252, 191, 115
Decimal	16557171
CIE Lab	75.00, 27.65, 38.70
CIE LCh	75, 47.565, 54.460
Yxy	48.2781, 0.4431, 0.3800
Android (android.graphics.Color)	4294747251 (0xFFFC473)
YUV	184.7260, -34.3749, 58.9993
Hunter-Lab	69.4824, 23.0152, 29.4623

Details

The CIELCh color **75, 47.565, 54.460** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **78, 34.685, 247.922**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 30.223, 79.608**, and **55, 47.471, 54.534** is the 20% darker color. If you saturate the color by 10%, you get **71, 58.137, 53.881**, and if you desaturate by 10%, it is **79, 37.489, 55.102**.

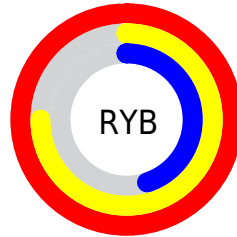
Distribution



Red (99%)

Green (64%)

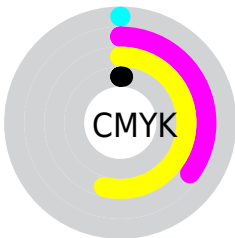
Blue (45%)



Red (99%)

Yellow (75%)

Blue (45%)

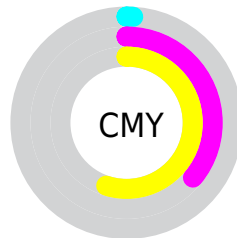


Cyan (0%)

Magenta (35%)

Yellow (54%)

Black (1%)



Cyan (1%)

Magenta (36%)

Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 47.565, 54.460 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, 47.565, 54.460 by changing the saturation by 10% instead.

 75, 47.565, 54.460

 75, 47.565, 54.460

 100, 47.565,
54.460

 65, 47.565, 54.460

 95, 47.565, 54.460

 55, 47.565, 54.460

 45, 47.565, 54.460

 35, 47.565, 54.460

 25, 47.565, 54.460

 15, 47.565, 54.460

 5, 47.565, 54.460

 0, 47.565, 54.460

 75, 47.565, 54.460

 75, 47.565, 54.460

71, 58.137, 53.881

79, 37.489, 55.102

68, 68.907, 53.275

83, 28.021, 55.812

64, 79.181, 52.437

88, 19.178, 56.587

61, 87.622, 50.927

92, 10.933, 57.403

60, 91.297, 49.798

97, 3.237, 58.157

100, 1.180,
199.892

Harmonies

Complementary

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



75, 47.565, 54.460



78, 34.685, 247.922

Rectangle

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



75, 47.565, 54.460



75, 47.565, 104.460



75, 47.565, 234.460



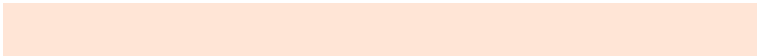
75, 47.565, 284.460

Sweetspot

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



75, 47.564, 54.464



93, 12.328, 57.273



67, 65.605, 341.165



48, 8.384, 57.103



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, 47.564, 54.464



72, 59.406, 53.846



91, 58.786, 97.031



50, 4.212, 57.804



45, 73.087, 50.447



13, 26.645, 48.060

Inverse Universe

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



78, 34.685, 247.922



75, 40.347, 251.276



60, 65.519, 292.502



50, 4.030, 239.744



49, 43.275, 266.169



14, 18.049, 258.528

Previews

White Background



This preview shows how the CIELCh color 75, 47.565, 54.460 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, 47.565, 54.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

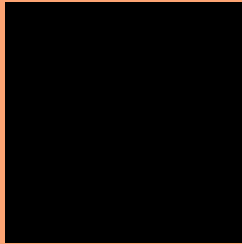
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 47.565, 54.460

Background



This preview shows how black text looks on a background with the CIELCh color 75, 47.565, 54.460.

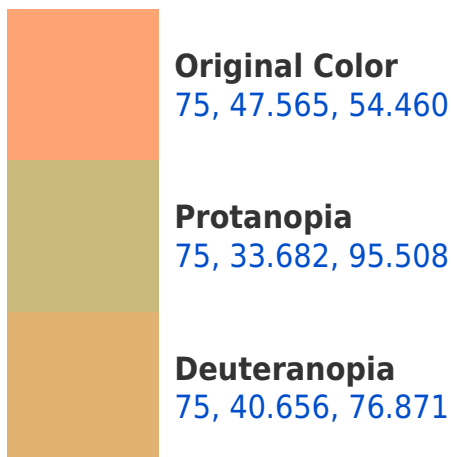


This preview shows how white text looks on a background with the CIELCh color 75, 47.565, 54.460.

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
75, 39.016, 13.898

Trichromacy



Original Color
75, 47.565, 54.460

Protanomaly
75, 35.760, 77.132

Deuteranomaly
75, 42.254, 67.667

Tritanomaly
75, 39.690, 30.492

Monochromacy



Original Color
75, 47.565, 54.460

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 16.116, 56.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 47.565, 54.460 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, 164, 115)` looks like.

```
.text, #text, p{  
    color:rgb(252, 164, 115)  
}
```

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, 164, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 164, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 47.565, 54.460 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, 164, 115) }
```

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

```
.border{ border-color:rgb(252, 164, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 164, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 164, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 164, 115);  
box-shadow:4px 4px 4px 4px rgb(252, 164,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 47.565, 54.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 164, 115) }
```

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

```
.background{ background-color: rgb(252,  
164, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor