

Converting Colors

CIELCh(75, 44.614, 45.573)

Have a look what the booklet for
CIELCh(75, 44.614, 45.573) contains.

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Color

CIELCh(75, 44.716, 45.242)

Conversions

Conversions Part 1

Format	Color
Hex	FFA180
RGB	255, 161, 128
RGB Percent	100%, 63%, 50%
CMY	0.0002, 0.3688, 0.4982
CMYK	0.00, 0.37, 0.50, 0.00
HSL	16°, 100%, 75%
HSV	16°, 50%, 100%
XYZ	57.8476, 48.2781, 26.6749
YIQ	185.3440, 66.6170, 9.6650

Conversions

Conversions Part 2

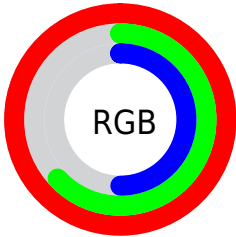
Format	Color
RYB	255, 173, 128
Decimal	16753024
CIELab	75.00, 31.49, 31.75
CIELCh	75, 44.716, 45.242
Yxy	48.2781, 0.4356, 0.3635
Android (android.graphics.Color)	4294943104 (0xFFFFA180)
YUV	185.3440, -28.2706, 61.0883
Hunter-Lab	69.4824, 27.0159, 25.8758

Details

The CIELCh color **75, 44.716, 45.242** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **84, 31.304, 232.019**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 23.918, 68.923**, and **55, 44.961, 45.084** is the 20% darker color. If you saturate the color by 10%, you get **71, 55.775, 45.397**, and if you desaturate by 10%, it is **80, 34.326, 45.262**.

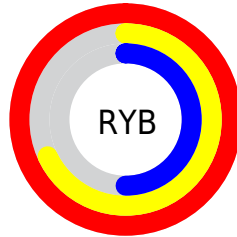
Distribution



Red (100%)

Green (63%)

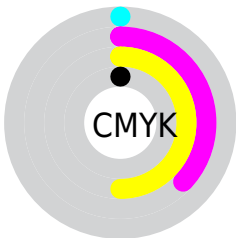
Blue (50%)



Red (100%)

Yellow (68%)

Blue (50%)

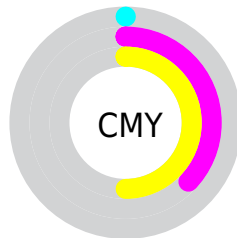


Cyan (0%)

Magenta (37%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 44.716, 45.242 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, 44.716, 45.242 by changing the saturation by 10% instead.

 75, 44.716, 45.242

 75, 44.716, 45.242

 100, 44.716,
45.242

 65, 44.716, 45.242

 95, 44.716, 45.242

 55, 44.716, 45.242

 45, 44.716, 45.242

 35, 44.716, 45.242

 25, 44.716, 45.242

 15, 44.716, 45.242

 5, 44.716, 45.242

 0, 44.716, 45.242

 75, 44.716, 45.242

 75, 44.716, 45.242

71, 55.775, 45.397

80, 34.326, 45.262

67, 67.315, 45.687

85, 24.670, 45.428

63, 78.851, 45.988

90, 15.738, 45.716

60, 89.298, 45.938

95, 7.487, 46.073

57, 97.075, 45.076

100, 0.022,
230.816

57, 97.211, 45.064

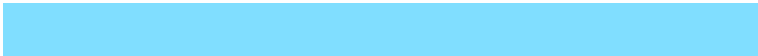
Harmonies

Complementary

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



75, 44.716, 45.242



84, 31.304, 232.019

Rectangle

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



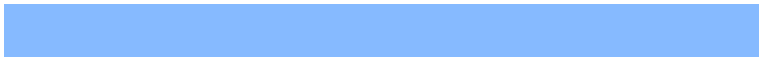
75, 44.716, 45.242



75, 44.716, 95.242



75, 44.716, 225.242



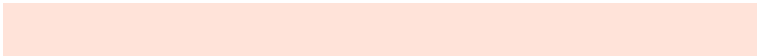
75, 44.716, 275.242

Sweetspot

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



75, 44.714, 45.246



92, 11.689, 45.884



71, 65.469, 335.969



48, 8.043, 45.809



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, 44.714, 45.246



71, 56.001, 45.401



90, 50.355, 90.928



50, 4.334, 46.084



43, 77.820, 45.573



12, 29.107, 40.932

Inverse Universe

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



84, 31.304, 232.019



81, 35.833, 234.246



67, 52.811, 285.993



51, 4.100, 227.259



55, 37.305, 248.404



18, 16.607, 241.872

Previews

White Background



This preview shows how the CIELCh color 75, 44.716, 45.242 looks on a white background.

Color Contrast Check

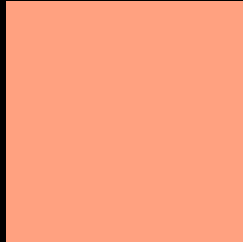
Large Text (above 18pt) WCAG AA × Fail

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, 44.716, 45.242 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, 44.716, 45.242

Background



This preview shows how black text looks on a background with the CIELCh color 75, 44.716, 45.242.



This preview shows how white text looks on a background with the CIELCh color 75, 44.716, 45.242.

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, 44.716, 45.242

Protanopia

75, 25.696, 95.806

Deuteranopia

75, 34.182, 73.534



Tritanopia
75, 39.026, 14.676

Trichromacy



Original Color
75, 44.716, 45.242

Protanomaly
75, 29.201, 69.967

Deuteranomaly
75, 36.805, 61.086

Tritanomaly
75, 39.798, 26.812

Monochromacy



Original Color
75, 44.716, 45.242

Achromatopsia
75, 0.009, 296.813

Achromatomaly
74, 14.974, 45.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 44.716, 45.242 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(255, 161, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 128)  
}
```

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(255, 161, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 44.716, 45.242 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(255, 161, 128) }
```

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

```
.border{ border-color:rgb(255, 161, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 44.716, 45.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 128) }
```

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

```
.background{ background-color: rgb(255,  
161, 128) }
```

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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