

Converting Colors

CIELCh(78, 66.798, 40.415)

Have a look what the booklet for
CIELCh(78, 66.798, 40.415) contains.

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Color

CIELCh(73, 50.344, 45.059)

Conversions

Conversions Part 1

Format	Color
Hex	FF9874
RGB	255, 152, 116
RGB Percent	100%, 60%, 45%
CMY	0.0000, 0.4041, 0.5455
CMYK	0.00, 0.40, 0.55, 0.00
HSL	16°, 100%, 73%
HSV	16°, 55%, 100%
XYZ	56.0065, 45.1644, 22.2562
YIQ	178.6930, 72.9440, 10.6400

Conversions

Conversions Part 2

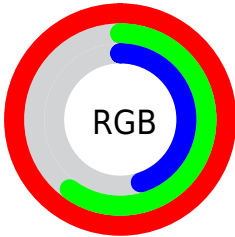
Format	Color
RYB	255, 165, 116
Decimal	16750708
CIELab	73.00, 35.56, 35.64
CIElCh	73, 50.344, 45.059
Yxy	45.1644, 0.4538, 0.3659
Android (android.graphics.Color)	4294940788 (0xFFFF9874)
YUV	178.6930, -30.9076, 66.9212
Hunter-Lab	67.2044, 31.1495, 27.4080

Details

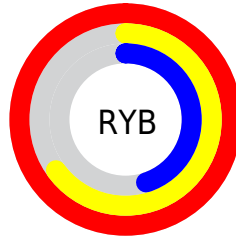
The CIELCh color **73, 50.344, 45.059** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **83, 33.509, 232.883**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 28.290, 65.681**, and **53, 49.702, 45.513** is the 20% darker color. If you saturate the color by 10%, you get **69, 61.237, 45.468**, and if you desaturate by 10%, it is **77, 39.179, 45.170**.

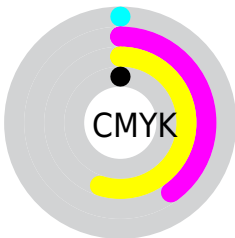
Distribution



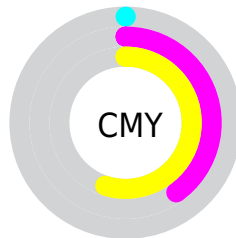
- Red (100%)
- Green (60%)
- Blue (45%)



- Red (100%)
- Yellow (65%)
- Blue (45%)



- Cyan (0%)
- Magenta (40%)
- Yellow (55%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 50.344, 45.059 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 73, 50.344, 45.059 by changing the saturation by 10% instead.

73, 50.344, 45.059

73, 50.344, 45.059

100, 50.344,
45.059

63, 50.344, 45.059

93, 50.344, 45.059

53, 50.344, 45.059

43, 50.344, 45.059

33, 50.344, 45.059

23, 50.344, 45.059

13, 50.344, 45.059

3, 50.344, 45.059

0, 50.344, 45.059

73, 50.344, 45.059

73, 50.344, 45.059

69, 61.237, 45.468

77, 39.179, 45.170

65, 72.869, 45.796

82, 29.169, 45.263

61, 84.084, 46.005

87, 19.892, 45.494

59, 93.373, 45.568

92, 11.321, 45.824

57, 97.260, 45.038

98, 3.402, 46.135

100, 0.012,
296.813

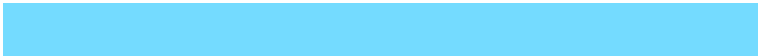
Harmonies

Complementary

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



73, 50.344, 45.059



83, 33.509, 232.883

Rectangle

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



73, 50.344, 45.059



73, 50.344, 95.059



73, 50.344, 225.059



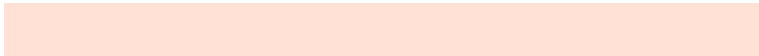
73, 50.344, 275.059

Sweetspot

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



73, 49.906, 45.238



92, 12.521, 45.772



69, 70.845, 336.375



48, 8.524, 45.700



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 49.906, 45.238



68, 61.756, 45.482



89, 55.031, 90.286



50, 4.335, 46.006



43, 77.845, 45.546



12, 29.117, 40.887

Inverse Universe

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



83, 33.509, 232.883



80, 37.751, 235.441



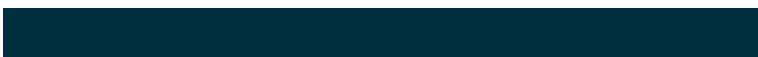
64, 58.262, 287.220



51, 4.100, 227.175



55, 37.274, 248.269



18, 16.599, 241.747

Previews

White Background



This preview shows how the CIELCh color 73, 50.344, 45.059 looks on a white background.

Color Contrast Check

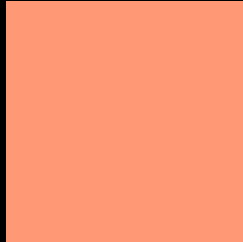
Large Text (above 18pt) WCAG AA × Fail

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 73, 50.344, 45.059 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 73, 50.344, 45.059

Background



This preview shows how black text looks on a background with the CIELCh color 73, 50.344, 45.059.



This preview shows how white text looks on a background with the CIELCh color 73, 50.344, 45.059.

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
73, 43.032, 16.744

Trichromacy



Original Color
73, 49.866, 45.216

Protanomaly
72, 32.361, 69.490

Deuteranomaly
73, 40.930, 62.182

Tritanomaly
73, 44.159, 27.689

Monochromacy



Original Color
73, 49.866, 45.216

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 16.869, 45.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 50.344, 45.059 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, 152, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 116)  
}
```

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, 152, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 50.344, 45.059 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, 152, 116) }
```

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

```
.border{ border-color:rgb(255, 152, 116) }
```

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

Here you see how a box with a 4 pixel rgb(255, 152, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 50.344, 45.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 116) }
```

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

```
.background{ background-color: rgb(255,  
152, 116) }
```

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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