

Converting Colors

CIELCh(71, 81.756, 38.502)

Have a look what the booklet for
CIELCh(71, 81.756, 38.502) contains.

CIELCh(65, 66.349, 39.905)	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(65, 66.349, 39.905)

Conversions

Conversions Part 1

Format	Color
Hex	FE7354
RGB	254, 115, 84
RGB Percent	100%, 45%, 33%
CMY	0.0036, 0.5481, 0.6694
CMYK	0.00, 0.55, 0.67, 0.00
HSL	11°, 99%, 66%
HSV	11°, 67%, 100%
XYZ	48.6768, 34.0472, 12.4569
YIQ	153.0270, 92.7950, 19.8270

Conversions

Conversions Part 2

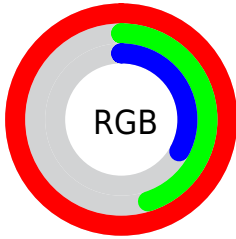
Format	Color
RYB	254, 122, 84
Decimal	16675668
CIELab	65.00, 50.90, 42.56
CIElCh	65, 66.349, 39.905
Yxy	34.0472, 0.5114, 0.3577
Android (android.graphics.Color)	4294865748 (0xFFFE7354)
YUV	153.0270, -34.0303, 88.5533
Hunter-Lab	58.3500, 46.7961, 28.1874

Details

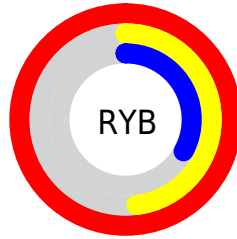
The CIELCh color **65, 66.349, 39.905** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **83, 38.193, 222.962**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 41.250, 48.302**, and **45, 66.366, 40.049** is the 20% darker color. If you saturate the color by 10%, you get **61, 78.310, 41.106**, and if you desaturate by 10%, it is **69, 54.515, 38.901**.

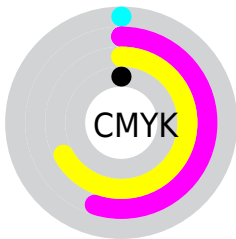
Distribution



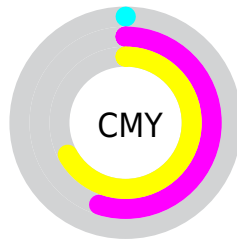
- Red (100%)
- Green (45%)
- Blue (33%)



- Red (100%)
- Yellow (48%)
- Blue (33%)



- Cyan (0%)
- Magenta (55%)
- Yellow (67%)
- Black (0%)



- Cyan (0%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 66.349, 39.905 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 65, 66.349, 39.905 by changing the saturation by 10% instead.

65, 66.349, 39.905

65, 66.349, 39.905

100, 66.349,
39.905

55, 66.349, 39.905

85, 66.349, 39.905

45, 66.349, 39.905

95, 66.349, 39.905

35, 66.349, 39.905

25, 66.349, 39.905

15, 66.349, 39.905

5, 66.349, 39.905

0, 66.349, 39.905

65, 66.349, 39.905

65, 66.349, 39.905

61, 78.310, 41.106

69, 54.515, 38.901

■ 58, 89.517, 42.205

■ 74, 43.213, 38.159

■ 56, 98.115, 42.509

■ 79, 32.611, 37.668

■ 55, 100.295,
42.549

■ 85, 22.772, 37.388

■ 90, 13.690, 37.270

■ 96, 5.323, 37.228

100, 0.315,
201.493

Harmonies

Complementary

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



65, 66.349, 39.905



83, 38.193, 222.962

Rectangle

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



65, 66.349, 39.905



65, 66.349, 89.905



65, 66.349, 219.905



65, 66.349, 269.905

Sweetspot

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



65, 66.346, 39.908



89, 16.545, 37.294



64, 87.235, 333.756



46, 11.423, 37.325



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 66.346, 39.908



60, 82.260, 41.492



83, 63.174, 81.883



50, 4.501, 37.244



42, 80.571, 42.923



12, 30.242, 36.180

Inverse Universe

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



83, 38.193, 222.962



81, 41.509, 225.974



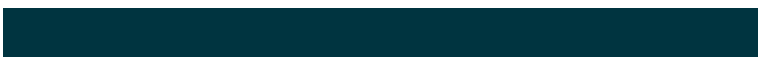
60, 64.208, 285.458



52, 4.236, 217.714



60, 35.157, 231.762



19, 16.133, 226.968

Previews

White Background



This preview shows how the CIELCh color 65, 66.349, 39.905 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 65, 66.349, 39.905 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 65, 66.349, 39.905

Background



This preview shows how black text looks on a background with the CIELCh color 65, 66.349, 39.905.



This preview shows how white text looks on a background with the CIELCh color 65, 66.349, 39.905.

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

65, 66.450, 39.933

Protanopia

65, 32.296, 95.879

Deuteranopia

65, 45.361, 79.612



Tritanopia
65, 60.174, 22.810

Trichromacy



Original Color
65, 66.450, 39.933

Protanomaly
64, 38.652, 63.206

Deuteranomaly
64, 49.290, 60.423

Tritanomaly
65, 61.810, 29.888

Monochromacy



Original Color
65, 66.450, 39.933

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 22.441, 37.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 66.349, 39.905 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(254, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(254, 115, 84)  
}
```

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(254, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 115, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 66.349, 39.905 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(254, 115, 84) }
```

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

```
.border{ border-color:rgb(254, 115, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 115, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(254, 115,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 66.349, 39.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 115, 84) }
```

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

```
.background{ background-color: rgb(254,  
115, 84) }
```

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