

Converting Colors

CIELCh(66, 65.349, 42.698)

Have a look what the booklet for
CIELCh(66, 65.349, 42.698) contains.

CIELCh(66, 65.469, 42.776)	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(66, 65.469, 42.776)

Conversions

Conversions Part 1

Format	Color
Hex	FE7953
RGB	254, 121, 83
RGB Percent	100%, 47%, 33%
CMY	0.0044, 0.5258, 0.6749
CMYK	0.00, 0.52, 0.67, 0.00
HSL	13°, 99%, 66%
HSV	13°, 67%, 100%
XYZ	49.2149, 35.3238, 12.3900
YIQ	156.4350, 91.4660, 16.3780

Conversions

Conversions Part 2

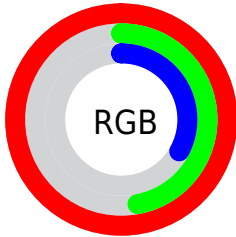
Format	Color
RYB	254, 132, 83
Decimal	16677203
CIELab	66.00, 48.06, 44.46
CIElCh	66, 65.469, 42.776
Yxy	35.3238, 0.5077, 0.3644
Android (android.graphics.Color)	4294867283 (0xFFFE7953)
YUV	156.4350, -36.2035, 85.5645
Hunter-Lab	59.4338, 43.7997, 29.2437

Details

The CIELCh color **66, 65.469, 42.776** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **81, 38.162, 229.816**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 41.004, 53.819**, and **46, 65.461, 43.112** is the 20% darker color. If you saturate the color by 10%, you get **62, 77.250, 43.517**, and if you desaturate by 10%, it is **70, 53.831, 42.157**.

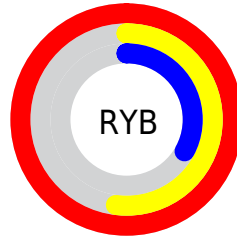
Distribution



Red (100%)

Green (47%)

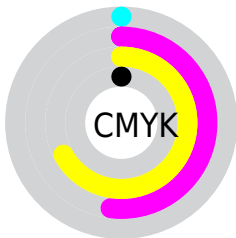
Blue (33%)



Red (100%)

Yellow (52%)

Blue (33%)

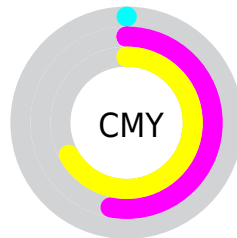


Cyan (0%)

Magenta (52%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (53%)

Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 65.469, 42.776 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 66, 65.469, 42.776 by changing the saturation by 10% instead.

 66, 65.469, 42.776

 66, 65.469, 42.776

 100, 65.469,
42.776

 56, 65.469, 42.776

 86, 65.469, 42.776

 46, 65.469, 42.776

 96, 65.469, 42.776

 36, 65.469, 42.776

 26, 65.469, 42.776

 16, 65.469, 42.776

 6, 65.469, 42.776

 0, 65.469, 42.776

 66, 65.469, 42.776

 66, 65.469, 42.776

 62, 77.250, 43.517

 70, 53.831, 42.157

59, 88.270, 44.075

75, 42.738, 41.738

57, 96.736, 43.811

80, 32.350, 41.525

56, 98.612, 43.722

85, 22.714, 41.489

90, 13.817, 41.589

96, 5.614, 41.752

100, 0.387,
201.092

Harmonies

Complementary

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



66, 65.469, 42.776



81, 38.162, 229.816

Rectangle

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



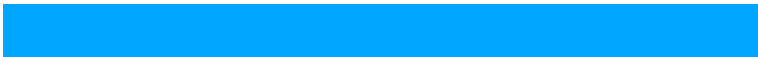
66, 65.469, 42.776



66, 65.469, 92.776



66, 65.469, 222.776



66, 65.469, 272.776

Sweetspot

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



66, 65.467, 42.779



89, 16.169, 41.552



64, 84.760, 335.987



46, 11.162, 41.520



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 65.467, 42.779



61, 81.735, 43.769



85, 65.309, 85.911



50, 4.401, 41.721



42, 79.224, 44.164



12, 29.653, 38.491

Inverse Universe

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



81, 38.162, 229.816



78, 41.871, 233.788



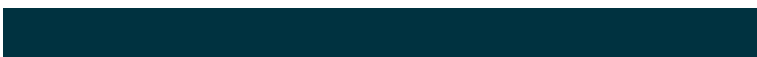
57, 69.695, 288.929



52, 4.151, 222.557



57, 35.909, 240.501



18, 16.250, 234.694

Previews

White Background



This preview shows how the CIELCh color 66, 65.469, 42.776 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 66, 65.469, 42.776 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 66, 65.469, 42.776

Background



This preview shows how black text looks on a background with the CIELCh color 66, 65.469, 42.776.



This preview shows how white text looks on a background with the CIELCh color 66, 65.469, 42.776.

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

66, 65.469, 42.776

Protanopia

66, 35.389, 95.798

Deuteranopia

66, 46.867, 79.788



Tritanopia
66, 57.846, 22.159

Trichromacy



Original Color
66, 65.469, 42.776

Protanomaly
65, 40.337, 66.782

Deuteranomaly
65, 50.328, 62.192

Tritanomaly
66, 59.756, 30.528

Monochromacy



Original Color
66, 65.469, 42.776

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 22.180, 41.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 65.469, 42.776 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, 121, 83)` looks like.

```
.text, #text, p{  
    color:rgb(254, 121, 83)  
}
```

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, 121, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 121, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 65.469, 42.776 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, 121, 83) }
```

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

```
.border{ border-color:rgb(254, 121, 83) }
```

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

Here you see how a box with a 4 pixel rgb(254, 121, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 121, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 121, 83);  
box-shadow:4px 4px 4px 4px rgb(254, 121,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 65.469, 42.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 121, 83) }
```

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

```
.background{ background-color: rgb(254,  
121, 83) }
```

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