

Converting Colors

CIELCh(65, 69.249, 42.683)

Have a look what the booklet for
CIELCh(65, 69.249, 42.683) contains.

CIELCh(65, 69.249, 42.683)	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, 69.249, 42.683)

Conversions

Conversions Part 1

Format	Color
Hex	FF734C
RGB	255, 115, 76
RGB Percent	100%, 45%, 30%
CMY	0.0000, 0.5490, 0.7019
CMYK	0.00, 0.55, 0.70, 0.00
HSL	13°, 100%, 65%
HSV	13°, 70%, 100%
XYZ	48.6801, 34.0472, 10.8449
YIQ	152.4140, 95.9590, 17.5510

Conversions

Conversions Part 2

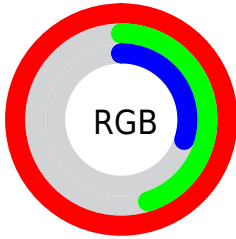
Format	Color
RYB	255, 126, 76
Decimal	16741196
CIELab	65.00, 50.91, 46.95
CIELCh	65, 69.249, 42.683
Yxy	34.0472, 0.5202, 0.3639
Android (android.graphics.Color)	4294931276 (0xFFFF734C)
YUV	152.4140, -37.6721, 89.9679
Hunter-Lab	58.3500, 46.8063, 29.8253

Details

The CIELCh color **65, 69.249, 42.683** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **81, 39.156, 229.801**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 44.270, 53.043**, and **45, 69.423, 42.859** is the 20% darker color. If you saturate the color by 10%, you get **61, 80.995, 43.468**, and if you desaturate by 10%, it is **69, 57.444, 41.972**.

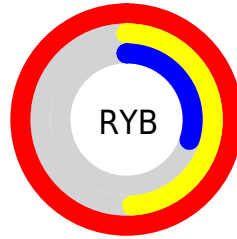
Distribution



Red (100%)

Green (45%)

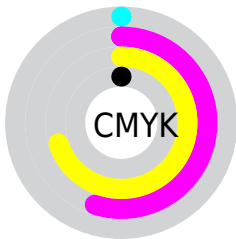
Blue (30%)



Red (100%)

Yellow (49%)

Blue (30%)

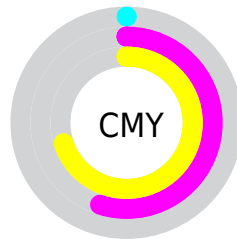


Cyan (0%)

Magenta (55%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 69.249, 42.683 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, 69.249, 42.683 by changing the saturation by 10% instead.

 65, 69.249, 42.683

 65, 69.249, 42.683

 100, 69.249,
42.683

 55, 69.249, 42.683

 85, 69.249, 42.683

 45, 69.249, 42.683

 95, 69.249, 42.683

 35, 69.249, 42.683

 25, 69.249, 42.683

 15, 69.249, 42.683

 5, 69.249, 42.683

 0, 69.249, 42.683

 65, 69.249, 42.683

 65, 69.249, 42.683

 61, 80.995, 43.468

 69, 57.444, 41.972

58, 91.553, 43.924

74, 46.107, 41.454

56, 99.134, 43.578

79, 35.445, 41.152

84, 25.534, 41.041

89, 16.375, 41.082

94, 7.930, 41.219

100, 0.141, 36.999

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.



65, 69.249, 42.683



81, 39.156, 229.801

Rectangle

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



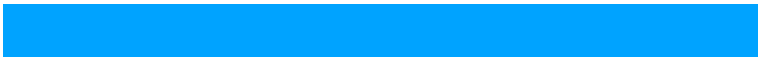
65, 69.249, 42.683



65, 69.249, 92.683



65, 69.249, 222.683



65, 69.249, 272.683

Sweetspot

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



65, 69.243, 42.687



89, 17.087, 41.074



63, 87.346, 336.239



46, 11.700, 41.052



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, 69.243, 42.687



60, 85.251, 43.715



85, 67.965, 85.473



50, 4.411, 41.229



42, 79.377, 44.018



12, 29.716, 38.227

Inverse Universe

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



81, 39.156, 229.801



78, 42.393, 233.992



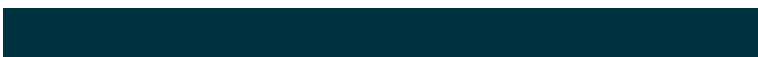
56, 73.204, 289.850



52, 4.159, 222.026



58, 35.791, 239.570



19, 16.224, 233.861

Previews

White Background



This preview shows how the CIELCh color 65, 69.249, 42.683 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, 69.249, 42.683 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, 69.249, 42.683

Background



This preview shows how black text looks on a background with the CIELCh color 65, 69.249, 42.683.

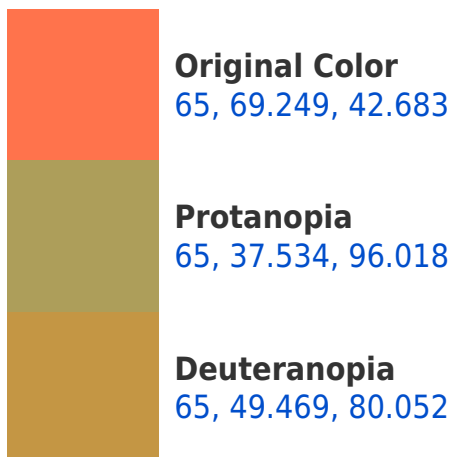


This preview shows how white text looks on a background with the CIELCh color 65, 69.249, 42.683.

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
65, 60.313, 23.313

Trichromacy



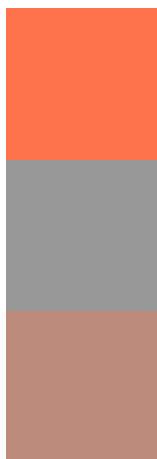
Original Color
65, 69.249, 42.683

Protanomaly
64, 42.837, 66.470

Deuteranomaly
64, 53.270, 62.349

Tritanomaly
65, 62.729, 30.868

Monochromacy



Original Color
65, 69.249, 42.683

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 22.996, 42.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 69.249, 42.683 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, 115, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 76)  
}
```

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, 115, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 69.249, 42.683 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, 115, 76) }
```

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

```
.border{ border-color:rgb(255, 115, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 69.249, 42.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 76) }
```

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

```
.background{ background-color: rgb(255,  
115, 76) }
```

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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