

Converting Colors

CIELCh(69, 61.499, 46.376)

Have a look what the booklet for
CIELCh(69, 61.499, 46.376) contains.

CIELCh(69, 61.025, 46.562)	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(69, 61.025, 46.562)

Conversions

Conversions Part 1

Format	Color
Hex	FF875A
RGB	255, 135, 90
RGB Percent	100%, 53%, 35%
CMY	0.0000, 0.4704, 0.6469
CMYK	0.00, 0.47, 0.65, 0.00
HSL	16°, 100%, 68%
HSV	16°, 65%, 100%
XYZ	51.7712, 39.3444, 14.5458
YIQ	165.7500, 85.9650, 11.4450

Conversions

Conversions Part 2

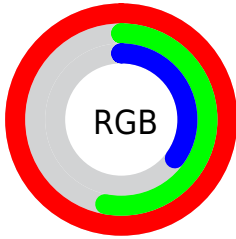
Format	Color
R _Y B	255, 152, 90
Decimal	16746330
CIE Lab	69.00, 41.96, 44.31
CIE LCh	69, 61.025, 46.562
Yxy	39.3444, 0.4900, 0.3724
Android (android.graphics.Color)	4294936410 (0xFFFF875A)
YUV	165.7500, -37.3447, 78.2723
Hunter-Lab	62.7251, 37.5591, 30.1584

Details

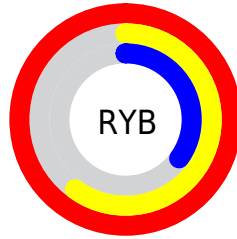
The CIELCh color **69, 61.025, 46.562** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **79, 37.824, 237.618**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 38.116, 62.575**, and **49, 60.967, 46.704** is the 20% darker color. If you saturate the color by 10%, you get **65, 72.549, 46.759**, and if you desaturate by 10%, it is **73, 49.754, 46.460**.

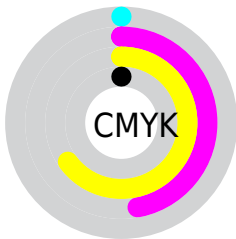
Distribution



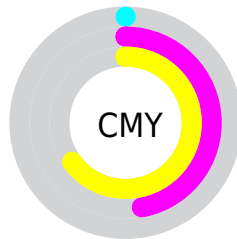
- Red (100%)
- Green (53%)
- Blue (35%)



- Red (100%)
- Yellow (60%)
- Blue (35%)



- Cyan (0%)
- Magenta (47%)
- Yellow (65%)
- Black (0%)



- Cyan (0%)
- Magenta (47%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 61.025, 46.562 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 69, 61.025, 46.562 by changing the saturation by 10% instead.

 69, 61.025, 46.562

 69, 61.025, 46.562

 100, 61.025,
46.562

 59, 61.025, 46.562

 89, 61.025, 46.562

 49, 61.025, 46.562

 99, 61.025, 46.562

 39, 61.025, 46.562

 29, 61.025, 46.562

 19, 61.025, 46.562

 9, 61.025, 46.562

 0, 61.025, 46.562

 69, 61.025, 46.562

 69, 61.025, 46.562

 65, 72.549, 46.759

 73, 49.754, 46.460

62, 83.659, 46.803

78, 39.096, 46.495

59, 92.834, 46.186

82, 29.145, 46.678

58, 96.603, 45.585

87, 19.919, 46.988

92, 11.387, 47.389

98, 3.495, 47.771

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.



69, 61.025, 46.562



79, 37.824, 237.618

Rectangle

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



69, 61.025, 46.562



69, 61.025, 96.562



69, 61.025, 226.562



69, 61.025, 276.562

Sweetspot

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



69, 61.006, 46.571



90, 14.980, 47.208



64, 80.077, 338.103



47, 10.429, 47.094



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 61.006, 46.571



64, 76.326, 46.807



88, 65.263, 90.122



50, 4.317, 47.611



44, 77.313, 46.114



13, 28.925, 41.832

Inverse Universe

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



79, 37.824, 237.618



76, 42.234, 242.034



57, 71.843, 291.038



51, 4.088, 228.900



54, 37.933, 251.010



17, 16.785, 244.287

Previews

White Background



This preview shows how the CIELCh color 69, 61.025, 46.562 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 69, 61.025, 46.562 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 69, 61.025, 46.562

Background



This preview shows how black text looks on a background with the CIELCh color 69, 61.025, 46.562.

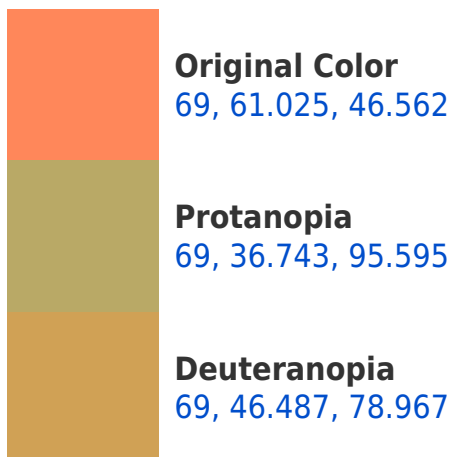


This preview shows how white text looks on a background with the CIELCh color 69, 61.025, 46.562.

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
69, 50.891, 20.267

Trichromacy



Original Color
69, 61.025, 46.562

Protanomaly
69, 40.446, 71.343

Deuteranomaly
69, 49.443, 64.857

Tritanomaly
69, 53.256, 31.017

Monochromacy



Original Color
69, 61.025, 46.562

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 20.254, 47.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 61.025, 46.562 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, 135, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 90)  
}
```

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, 135, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 61.025, 46.562 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, 135, 90) }
```

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

```
.border{ border-color:rgb(255, 135, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 61.025, 46.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 90) }
```

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

```
.background{ background-color: rgb(255,  
135, 90) }
```

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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