

Converting Colors

CIELCh(66, 42.505, 49.007)

Have a look what the booklet for
CIELCh(66, 42.505, 49.007) contains.

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Color

CIELCh(66, 42.747, 49.221)

Conversions

Conversions Part 1

Format	Color
Hex	DF8C68
RGB	223, 140, 104
RGB Percent	87%, 55%, 41%
CMY	0.1266, 0.4519, 0.5931
CMYK	0.00, 0.37, 0.53, 0.13
HSL	18°, 65%, 64%
HSV	18°, 53%, 87%
XYZ	42.1756, 35.3238, 17.6306
YIQ	160.7130, 61.0240, 6.4000

Conversions

Conversions Part 2

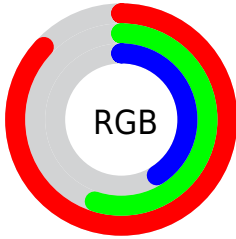
Format	Color
R _{YB}	223, 156, 104
Decimal	14650472
CIE Lab	66.00, 27.92, 32.37
CIE LCh	66, 42.747, 49.221
Yxy	35.3238, 0.4433, 0.3713
Android (android.graphics.Color)	4292840552 (0xFFDF8C68)
YUV	160.7130, -27.9595, 54.6257
Hunter-Lab	59.4338, 22.6586, 24.0158

Details

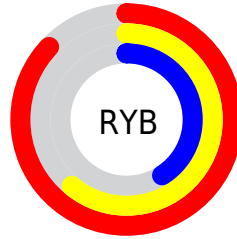
The CIELCh color **66, 42.747, 49.221** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **72, 29.974, 239.263**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 32.413, 58.280**, and **46, 42.672, 49.306** is the 20% darker color. If you saturate the color by 10%, you get **62, 52.582, 49.064**, and if you desaturate by 10%, it is **70, 33.443, 49.500**.

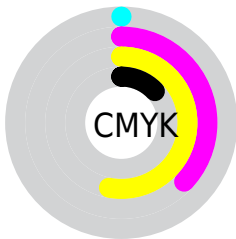
Distribution



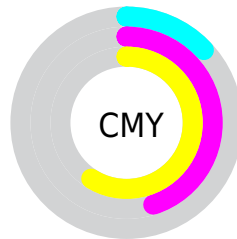
- Red (87%)
- Green (55%)
- Blue (41%)



- Red (87%)
- Yellow (61%)
- Blue (41%)



- Cyan (0%)
- Magenta (37%)
- Yellow (53%)
- Black (13%)



- Cyan (13%)
- Magenta (45%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 42.747, 49.221 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, 42.747, 49.221 by changing the saturation by 10% instead.

 66, 42.747, 49.221

 66, 42.747, 49.221

 100, 42.747,
49.221

 56, 42.747, 49.221

 86, 42.747, 49.221

 46, 42.747, 49.221

 96, 42.747, 49.221

 36, 42.747, 49.221

 26, 42.747, 49.221

 16, 42.747, 49.221

 6, 42.747, 49.221

 0, 42.747, 49.221

 66, 42.747, 49.221

 66, 42.747, 49.221

 62, 52.582, 49.064

 70, 33.443, 49.500

59, 62.724, 48.959

74, 24.753, 49.893

56, 72.624, 48.733

78, 16.681, 50.385

53, 81.133, 47.959

83, 9.196, 50.943

52, 85.628, 47.146

87, 2.250, 51.406

92, 4.212, 232.467

96, 9.254, 220.129

98, 10.917,
198.777

Harmonies

Complementary

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



66, 42.747, 49.221



72, 29.974, 239.263

Rectangle

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



66, 42.747, 49.221



66, 42.747, 99.221



66, 42.747, 229.221



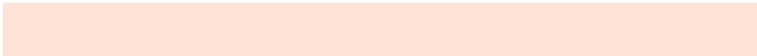
66, 42.747, 279.221

Sweetspot

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



66, 42.746, 49.225



92, 12.374, 50.788



61, 60.414, 338.532



48, 8.420, 50.671



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, 42.746, 49.225



70, 59.441, 49.052



80, 50.252, 93.994



45, 3.860, 51.167



41, 71.385, 47.671



9, 20.960, 39.980

Inverse Universe

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



72, 29.974, 239.263



78, 38.135, 242.285



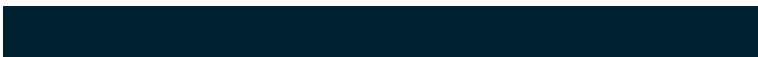
56, 54.491, 289.646



45, 3.670, 232.688



49, 37.160, 256.397



12, 14.267, 246.754

Previews

White Background



This preview shows how the CIELCh color 66, 42.747, 49.221 looks on a white background.

Color Contrast Check

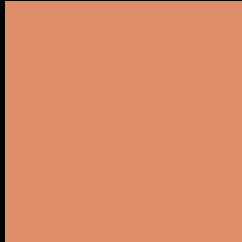
Large Text (above 18pt) WCAG AA × Fail

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, 42.747, 49.221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

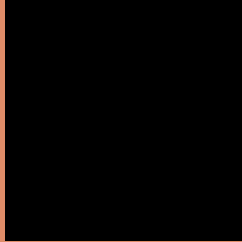
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 42.747, 49.221

Background



This preview shows how black text looks on a background with the CIELCh color 66, 42.747, 49.221.

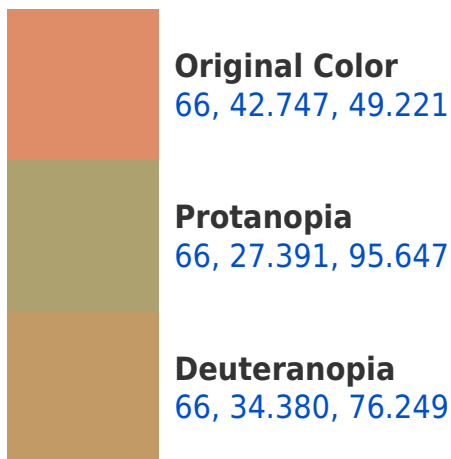


This preview shows how white text looks on a background with the CIELCh color 66, 42.747, 49.221.

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](#).

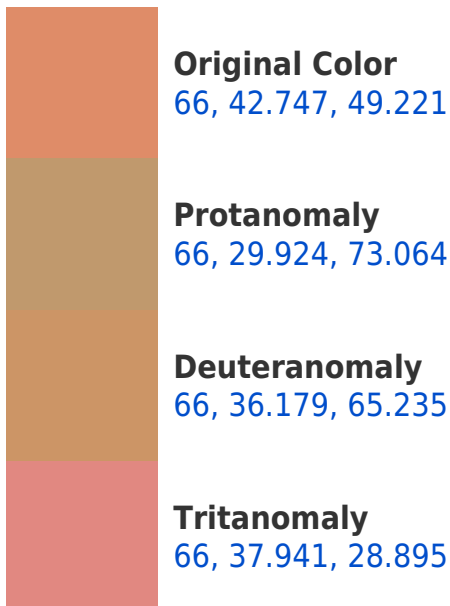
Dichromacy



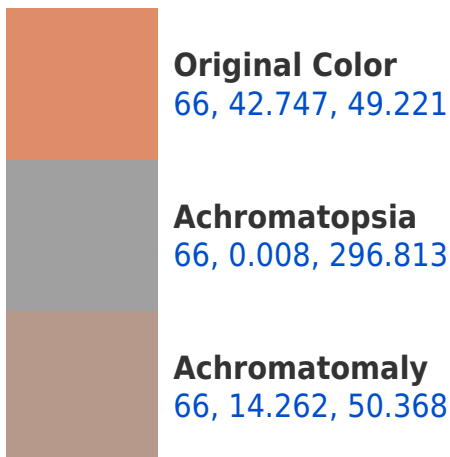


Tritanopia
66, 37.668, 15.305

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 42.747, 49.221 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(223, 140, 104)` looks like.

```
.text, #text, p{  
    color:rgb(223, 140, 104)  
}
```

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(223, 140, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 140, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 42.747, 49.221 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(223, 140, 104) }
```

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

```
.border{ border-color:rgb(223, 140, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 140, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 140, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 140, 104);  
box-shadow:4px 4px 4px 4px rgb(223, 140,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 42.747, 49.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 140, 104) }
```

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

```
.background{ background-color: rgb(223,  
140, 104) }
```

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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