

Converting Colors

CIELCh(69, 52.600, 64.781)

Have a look what the booklet for
CIELCh(69, 52.600, 64.781) contains.

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Color

CIELCh(69, 52.464, 64.664)

Conversions

Conversions Part 1

Format	Color
Hex	E49752
RGB	228, 151, 82
RGB Percent	89%, 59%, 32%
CMY	0.1050, 0.4070, 0.6777
CMYK	0.00, 0.34, 0.64, 0.10
HSL	28°, 73%, 61%
HSV	28°, 64%, 90%
XYZ	44.7000, 39.3444, 13.2598
YIQ	166.1570, 68.0410, -5.1350

Conversions

Conversions Part 2

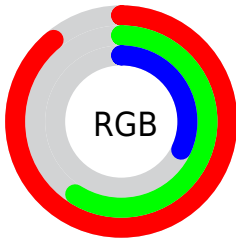
Format	Color
R _Y B	228, 213, 82
Decimal	14980946
CIE Lab	69.00, 22.45, 47.42
CIE LCh	69, 52.464, 64.664
Yxy	39.3444, 0.4594, 0.4043
Android (android.graphics.Color)	4293171026 (0xFFE49752)
YUV	166.1570, -41.4894, 54.2363
Hunter-Lab	62.7251, 17.4362, 31.3739

Details

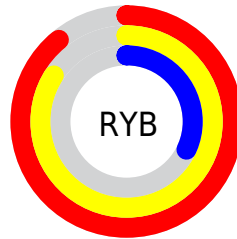
The CIELCh color **69, 52.464, 64.664** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **64, 42.003, 266.305**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 42.880, 77.781**, and **49, 52.423, 64.938** is the 20% darker color. If you saturate the color by 10%, you get **66, 61.533, 63.324**, and if you desaturate by 10%, it is **72, 43.331, 65.903**.

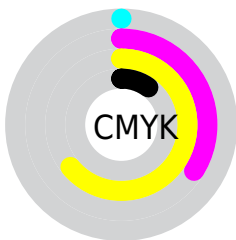
Distribution



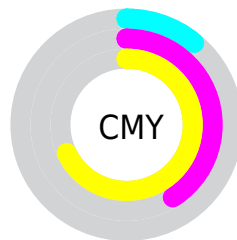
- Red (89%)
- Green (59%)
- Blue (32%)



- Red (89%)
- Yellow (84%)
- Blue (32%)



- Cyan (0%)
- Magenta (34%)
- Yellow (64%)
- Black (10%)



- Cyan (11%)
- Magenta (41%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 52.464, 64.664 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, 52.464, 64.664 by changing the saturation by 10% instead.

 69, 52.464, 64.664

 69, 52.464, 64.664

 100, 52.464,
64.664

 59, 52.464, 64.664

 89, 52.464, 64.664

 49, 52.464, 64.664

 99, 52.464, 64.664

 39, 52.464, 64.664

 29, 52.464, 64.664

 19, 52.464, 64.664

 9, 52.464, 64.664

 0, 52.464, 64.664

 69, 52.464, 64.664

 69, 52.464, 64.664

 66, 61.533, 63.324

 72, 43.331, 65.903

63, 69.911, 61.697

75, 34.441, 67.108

61, 76.532, 59.451

79, 25.924, 68.308

59, 79.596, 57.832

82, 17.820, 69.506

86, 10.123, 70.690

89, 2.809, 71.771

93, 4.157, 253.198

96, 7.522, 229.850

98, 9.106, 198.903

Harmonies

Complementary

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



69, 52.464, 64.664



64, 42.003, 266.305

Rectangle

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



69, 52.464, 64.664



69, 52.464, 114.664



69, 52.464, 244.664



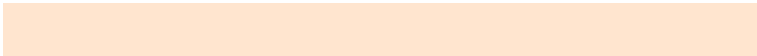
69, 52.464, 294.664

Sweetspot

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



69, 52.463, 64.668



93, 15.248, 70.086



57, 64.750, 349.296



48, 10.573, 69.744



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, 52.463, 64.668



72, 70.224, 62.803



87, 68.800, 102.657



46, 4.081, 71.210



47, 65.969, 58.492



12, 20.945, 57.612

Inverse Universe

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



64, 42.003, 266.305



65, 54.409, 271.597



45, 83.104, 299.474



46, 3.975, 253.659



40, 52.159, 281.117



9, 18.873, 272.179

Previews

White Background



This preview shows how the CIELCh color 69, 52.464, 64.664 looks on a white background.

Color Contrast Check

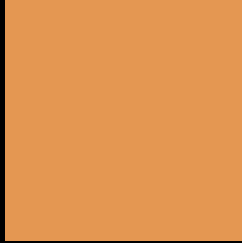
Large Text (above 18pt) WCAG AA × Fail

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, 52.464, 64.664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

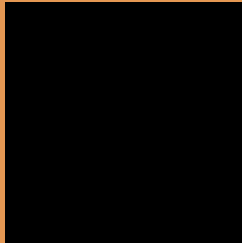
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 52.464, 64.664

Background



This preview shows how black text looks on a background with the CIELCh color 69, 52.464, 64.664.



This preview shows how white text looks on a background with the CIELCh color 69, 52.464, 64.664.

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

69, 52.464, 64.664

Protanopia

69, 43.815, 95.886

Deuteranopia

69, 48.761, 79.916



Tritanopia
69, 36.448, 13.916

Trichromacy



Original Color
69, 52.464, 64.664

Protanomaly
69, 44.995, 83.718

Deuteranomaly
69, 49.400, 73.860

Tritanomaly
69, 37.893, 37.365

Monochromacy



Original Color
69, 52.464, 64.664

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.042, 68.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 52.464, 64.664 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(228, 151, 82)` looks like.

```
.text, #text, p{  
    color:rgb(228, 151, 82)  
}
```

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(228, 151, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 151, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 52.464, 64.664 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(228, 151, 82) }
```

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

```
.border{ border-color:rgb(228, 151, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 151, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 151, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 151, 82);  
box-shadow:4px 4px 4px 4px rgb(228, 151,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 52.464, 64.664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 151, 82) }
```

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

```
.background{ background-color: rgb(228,  
151, 82) }
```

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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