

Converting Colors

CIELCh(75, 51.384, 67.796)

Have a look what the booklet for
CIELCh(75, 51.384, 67.796) contains.

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Color

CIELCh(75, 51.267, 67.466)

Conversions

Conversions Part 1

Format	Color
Hex	F2A961
RGB	242, 169, 97
RGB Percent	95%, 66%, 38%
CMY	0.0498, 0.3362, 0.6186
CMYK	0.00, 0.30, 0.60, 0.05
HSL	30°, 85%, 67%
HSV	30°, 60%, 95%
XYZ	53.1334, 48.2781, 17.8909
YIQ	182.6190, 66.6200, -6.9160

Conversions

Conversions Part 2

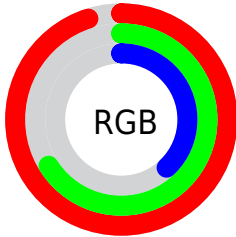
Format	Color
R _Y B	242, 240, 97
Decimal	15903073
CIE Lab	75.00, 19.65, 47.35
CIE LCh	75, 51.267, 67.466
Yxy	48.2781, 0.4454, 0.4047
Android (android.graphics.Color)	4294093153 (0xFFFF2A961)
YUV	182.6190, -42.2102, 52.0771
Hunter-Lab	69.4824, 14.9051, 33.3713

Details

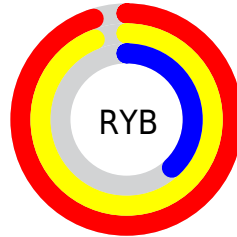
The CIELCh color **75, 51.267, 67.466** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **68, 42.847, 267.708**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 40.617, 88.880**, and **55, 51.234, 67.650** is the 20% darker color. If you saturate the color by 10%, you get **72, 60.714, 66.082**, and if you desaturate by 10%, it is **78, 41.840, 68.776**.

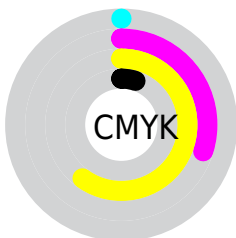
Distribution



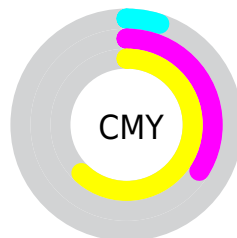
- Red (95%)
- Green (66%)
- Blue (38%)



- Red (95%)
- Yellow (94%)
- Blue (38%)



- Cyan (0%)
- Magenta (30%)
- Yellow (60%)
- Black (5%)



- Cyan (5%)
- Magenta (34%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 51.267, 67.466 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 75, 51.267, 67.466 by changing the saturation by 10% instead.

75, 51.267, 67.466

75, 51.267, 67.466

100, 51.267,
67.466

65, 51.267, 67.466

95, 51.267, 67.466

55, 51.267, 67.466

45, 51.267, 67.466

35, 51.267, 67.466

25, 51.267, 67.466

15, 51.267, 67.466

5, 51.267, 67.466

0, 51.267, 67.466

75, 51.267, 67.466

75, 51.267, 67.466

72, 60.714, 66.082

78, 41.840, 68.776

69, 69.660, 64.484

82, 32.684, 70.052

66, 77.155, 62.415

85, 23.899, 71.316

64, 82.359, 59.647

88, 15.515, 72.565

64, 82.429, 59.610

92, 7.520, 73.780

96, 0.113, 258.868

99, 4.267, 201.483

99, 4.377, 199.279

Harmonies

Complementary

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



75, 51.267, 67.466



68, 42.847, 267.708

Rectangle

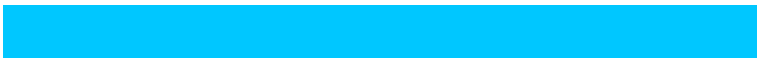
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 51.267, 67.466



75, 51.267, 117.466



75, 51.267, 247.466



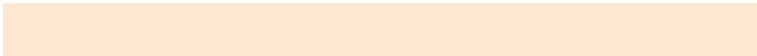
75, 51.267, 297.466

Sweetspot

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



75, 51.266, 67.470



93, 14.591, 72.789



62, 63.933, 349.660



49, 10.211, 72.428



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 51.266, 67.470



75, 65.354, 65.734



93, 69.237, 103.805



49, 4.366, 73.824



50, 67.394, 60.285



14, 24.633, 61.089

Inverse Universe

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



68, 42.847, 267.708



66, 53.142, 272.243



50, 82.596, 299.136



49, 4.267, 256.341



40, 56.644, 283.752



11, 22.032, 276.430

Previews

White Background



This preview shows how the CIELCh color 75, 51.267, 67.466 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 75, 51.267, 67.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

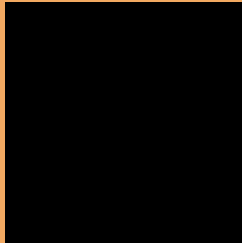
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 51.267, 67.466

Background



This preview shows how black text looks on a background with the CIELCh color 75, 51.267, 67.466.

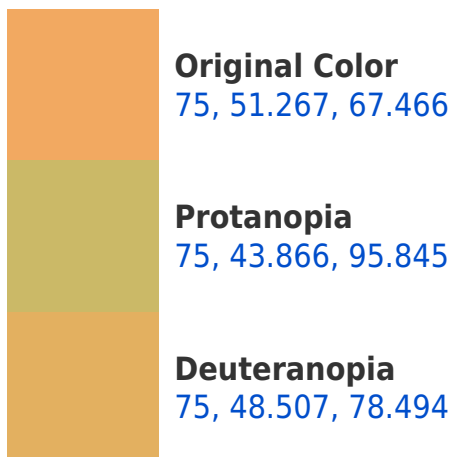


This preview shows how white text looks on a background with the CIELCh color 75, 51.267, 67.466.

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
75, 34.997, 11.458

Trichromacy



Original Color
75, 51.267, 67.466

Protanomaly
75, 44.807, 84.463

Deuteranomaly
75, 49.640, 74.547

Tritanomaly
75, 36.134, 37.487

Monochromacy



Original Color
75, 51.267, 67.466

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 17.827, 71.223

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 51.267, 67.466 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(242, 169, 97)` looks like.

```
.text, #text, p{  
    color:rgb(242, 169, 97)  
}
```

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(242, 169, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 169, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 51.267, 67.466 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(242, 169, 97) }
```

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

```
.border{ border-color:rgb(242, 169, 97) }
```

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

Here you see how a box with a 4 pixel rgb(242, 169, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 169, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 169, 97);  
box-shadow:4px 4px 4px 4px rgb(242, 169,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 51.267, 67.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 169, 97) }
```

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

```
.background{ background-color: rgb(242,  
169, 97) }
```

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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