

Converting Colors

CIELCh(65, 47.870, 51.244)

Have a look what the booklet for
CIELCh(65, 47.870, 51.244) contains.

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Color

CIELCh(65, 47.950, 51.236)

Conversions

Conversions Part 1

Format	Color
Hex	E0875C
RGB	224, 135, 92
RGB Percent	88%, 53%, 36%
CMY	0.1206, 0.4698, 0.6384
CMYK	0.00, 0.40, 0.59, 0.12
HSL	20°, 68%, 62%
HSV	20°, 59%, 88%
XYZ	41.4473, 34.0472, 14.5572
YIQ	156.7090, 66.8470, 5.4950

Conversions

Conversions Part 2

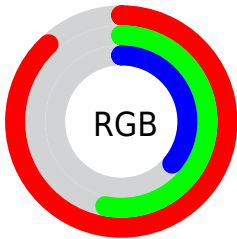
Format	Color
R _Y B	224, 156, 92
Decimal	14714716
CIE Lab	65.00, 30.02, 37.39
CIE LCh	65, 47.950, 51.236
Yxy	34.0472, 0.4603, 0.3781
Android (android.graphics.Color)	4292904796 (0xFFE0875C)
YUV	156.7090, -31.9015, 59.0142
Hunter-Lab	58.3500, 24.6802, 26.0533

Details

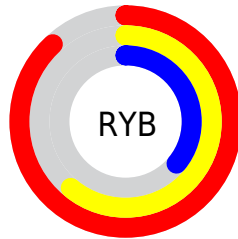
The CIELCh color **65, 47.950, 51.236** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **70, 32.891, 244.292**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 37.307, 60.662**, and **45, 47.905, 51.452** is the 20% darker color. If you saturate the color by 10%, you get **61, 57.906, 50.923**, and if you desaturate by 10%, it is **69, 38.405, 51.623**.

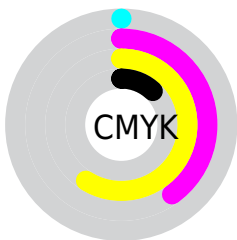
Distribution



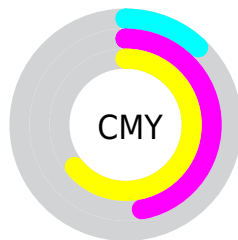
- Red (88%)
- Green (53%)
- Blue (36%)



- Red (88%)
- Yellow (61%)
- Blue (36%)



- Cyan (0%)
- Magenta (40%)
- Yellow (59%)
- Black (12%)



- Cyan (12%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 47.950, 51.236 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, 47.950, 51.236 by changing the saturation by 10% instead.

65, 47.950, 51.236

65, 47.950, 51.236

100, 47.950,
51.236

55, 47.950, 51.236

85, 47.950, 51.236

45, 47.950, 51.236

95, 47.950, 51.236

35, 47.950, 51.236

25, 47.950, 51.236

15, 47.950, 51.236

5, 47.950, 51.236

0, 47.950, 51.236

65, 47.950, 51.236

65, 47.950, 51.236

61, 57.906, 50.923

69, 38.405, 51.623

58, 67.897, 50.557

73, 29.423, 52.104

55, 77.081, 49.850

77, 21.043, 52.678

53, 84.235, 48.414

81, 13.252, 53.324

53, 84.998, 48.285

85, 6.010, 53.997

90, 0.734, 235.579

94, 7.033, 235.714

98, 10.422,
198.811

Harmonies

Complementary

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



65, 47.950, 51.236



70, 32.891, 244.292

Rectangle

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



65, 47.950, 51.236



65, 47.950, 101.236



65, 47.950, 231.236



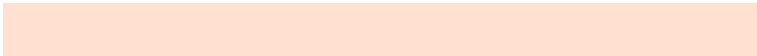
65, 47.950, 281.236

Sweetspot

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



65, 47.949, 51.240



91, 13.980, 53.375



59, 65.192, 339.922



47, 9.821, 53.179



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, 47.949, 51.240



68, 66.724, 50.839



81, 56.075, 94.420



45, 3.851, 53.960



42, 70.493, 48.851



9, 20.689, 42.046

Inverse Universe

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



70, 32.891, 244.292



75, 41.690, 248.436



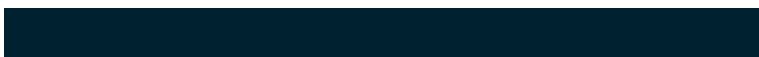
52, 62.339, 291.922



45, 3.672, 235.660



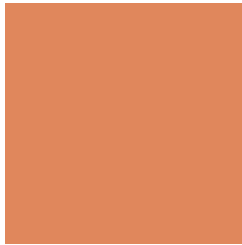
47, 38.626, 260.570



11, 14.613, 250.681

Previews

White Background



This preview shows how the CIELCh color 65, 47.950, 51.236 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, 47.950, 51.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

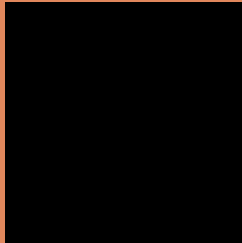
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 47.950, 51.236

Background



This preview shows how black text looks on a background with the CIELCh color 65, 47.950, 51.236.



This preview shows how white text looks on a background with the CIELCh color 65, 47.950, 51.236.

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

65, 47.950, 51.236

Protanopia

65, 31.774, 95.774

Deuteranopia

65, 39.279, 77.833



Tritanopia
65, 40.340, 16.272

Trichromacy



Original Color
65, 47.950, 51.236

Protanomaly
65, 34.338, 75.134

Deuteranomaly
65, 41.148, 66.691

Tritanomaly
65, 41.139, 30.345

Monochromacy



Original Color
65, 47.950, 51.236

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 16.050, 53.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 47.950, 51.236 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(224, 135, 92)` looks like.

```
.text, #text, p{  
    color:rgb(224, 135, 92)  
}
```

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(224, 135, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 135, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 47.950, 51.236 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(224, 135, 92) }
```

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

```
.border{ border-color:rgb(224, 135, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 135, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 135, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 135, 92);  
box-shadow:4px 4px 4px 4px rgb(224, 135,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 47.950, 51.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 135, 92) }
```

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

```
.background{ background-color: rgb(224,  
135, 92) }
```

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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