

Converting Colors

CIELCh(65, 46.951, 41.523)

Have a look what the booklet for
CIELCh(65, 46.951, 41.523) contains.

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Color

CIELCh(65, 47.162, 41.342)

Conversions

Conversions Part 1

Format	Color
Hex	E68368
RGB	230, 131, 104
RGB Percent	90%, 51%, 41%
CMY	0.0981, 0.4863, 0.5922
CMYK	0.00, 0.43, 0.55, 0.10
HSL	13°, 72%, 65%
HSV	13°, 55%, 90%
XYZ	43.2388, 34.0472, 17.3854
YIQ	157.5230, 67.6710, 12.5910

Conversions

Conversions Part 2

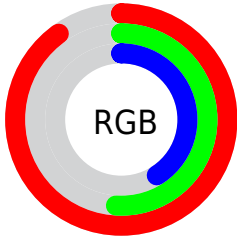
Format	Color
R _Y B	230, 138, 104
Decimal	15106920
CIE Lab	65.00, 35.41, 31.15
CIE LCh	65, 47.162, 41.342
Yxy	34.0472, 0.4567, 0.3596
Android (android.graphics.Color)	4293297000 (0xFFE68368)
YUV	157.5230, -26.3868, 63.5623
Hunter-Lab	58.3500, 30.1607, 23.1794

Details

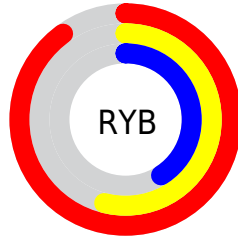
The CIELCh color **65, 47.162, 41.342** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **77, 30.980, 225.855**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 32.928, 48.652**, and **45, 47.054, 41.774** is the 20% darker color. If you saturate the color by 10%, you get **61, 57.821, 41.984**, and if you desaturate by 10%, it is **69, 37.053, 40.926**.

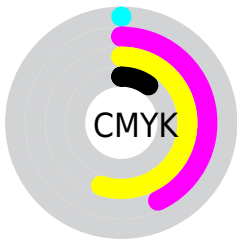
Distribution



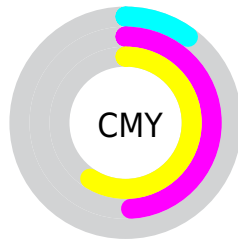
- Red (90%)
- Green (51%)
- Blue (41%)



- Red (90%)
- Yellow (54%)
- Blue (41%)



- Cyan (0%)
- Magenta (43%)
- Yellow (55%)
- Black (10%)



- Cyan (10%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 47.162, 41.342 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, 47.162, 41.342 by changing the saturation by 10% instead.

65, 47.162, 41.342

65, 47.162, 41.342

100, 47.162,
41.342

55, 47.162, 41.342

85, 47.162, 41.342

45, 47.162, 41.342

95, 47.162, 41.342

35, 47.162, 41.342

25, 47.162, 41.342

15, 47.162, 41.342

5, 47.162, 41.342

0, 47.162, 41.342

65, 47.162, 41.342

65, 47.162, 41.342

61, 57.821, 41.984

69, 37.053, 40.926

57, 68.751, 42.788

74, 27.614, 40.711

54, 79.296, 43.546

79, 18.868, 40.669

52, 88.042, 43.707

84, 10.797, 40.752

51, 91.654, 43.604

89, 3.354, 40.845

94, 3.520, 221.488

98, 8.528, 198.944

Harmonies

Complementary

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



65, 47.162, 41.342



77, 30.980, 225.855

Rectangle

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



65, 47.162, 41.342



65, 47.162, 91.342



65, 47.162, 221.342



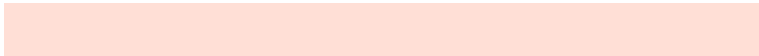
65, 47.162, 271.342

Sweetspot

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



65, 47.160, 41.346



91, 12.774, 40.736



63, 67.653, 334.234



47, 8.699, 40.713



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, 47.160, 41.346



67, 64.388, 42.103



79, 49.036, 86.478



45, 4.051, 40.822



39, 75.400, 44.025



8, 23.438, 34.175

Inverse Universe

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



77, 30.980, 225.855



82, 37.856, 228.161



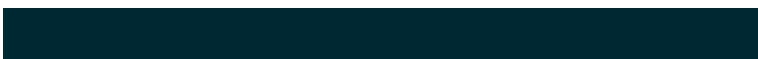
60, 50.224, 284.015



47, 3.822, 221.582



54, 33.890, 238.566



14, 14.009, 231.383

Previews

White Background



This preview shows how the CIELCh color 65, 47.162, 41.342 looks on a white background.

Color Contrast Check

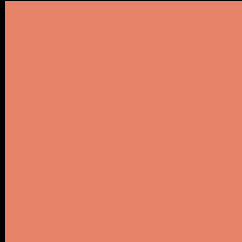
Large Text (above 18pt) WCAG AA × Fail

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, 47.162, 41.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

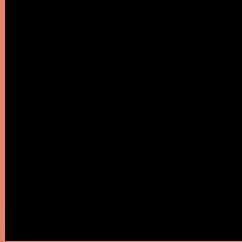
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 47.162, 41.342

Background



This preview shows how black text looks on a background with the CIELCh color 65, 47.162, 41.342.



This preview shows how white text looks on a background with the CIELCh color 65, 47.162, 41.342.

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, 47.162, 41.342

Protanopia
65, 24.204, 95.497

Deuteranopia
65, 33.565, 75.403



Tritanopia
65, 43.341, 17.926

Trichromacy



Original Color
65, 47.162, 41.342

Protanomaly
65, 28.426, 65.739

Deuteranomaly
65, 36.799, 60.355

Tritanomaly
65, 43.875, 26.897

Monochromacy



Original Color
65, 47.162, 41.342

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 15.841, 40.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 47.162, 41.342 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(230, 131, 104)` looks like.

```
.text, #text, p{  
    color:rgb(230, 131, 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(230, 131, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 131, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 47.162, 41.342 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(230, 131, 104) }
```

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

```
.border{ border-color:rgb(230, 131, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 131, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 131, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 131, 104);  
box-shadow:4px 4px 4px 4px rgb(230, 131,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 47.162, 41.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 131, 104) }
```

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

```
.background{ background-color: rgb(230,  
131, 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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