

Converting Colors

CIELCh(65, 47.321, 53.596)

Have a look what the booklet for
CIELCh(65, 47.321, 53.596) contains.

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Color

CIELCh(65, 47.321, 53.596)

Conversions

Conversions Part 1

Format	Color
Hex	DE895B
RGB	222, 137, 91
RGB Percent	87%, 54%, 36%
CMY	0.1306, 0.4638, 0.6441
CMYK	0.00, 0.38, 0.59, 0.13
HSL	21°, 66%, 61%
HSV	21°, 59%, 87%
XYZ	40.8149, 34.0472, 14.2610
YIQ	157.1710, 65.4260, 3.7140

Conversions

Conversions Part 2

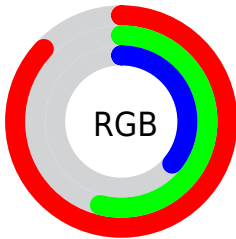
Format	Color
R _Y B	222, 162, 91
Decimal	14584155
CIE Lab	65.00, 28.08, 38.09
CIE LCh	65, 47.321, 53.596
Yxy	34.0472, 0.4580, 0.3820
Android (android.graphics.Color)	4292774235 (0xFFDE895B)
YUV	157.1710, -32.6223, 56.8550
Hunter-Lab	58.3500, 22.7456, 26.3542

Details

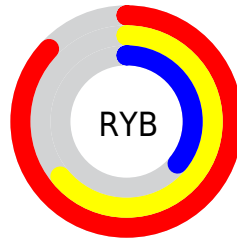
The CIELCh color **65, 47.321, 53.596** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **68, 33.299, 248.201**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 37.753, 63.012**, and **45, 47.578, 53.509** is the 20% darker color. If you saturate the color by 10%, you get **62, 57.026, 53.077**, and if you desaturate by 10%, it is **69, 37.985, 54.161**.

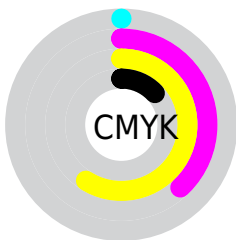
Distribution



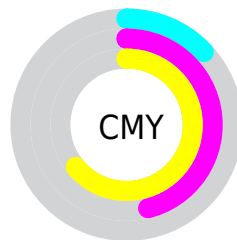
- Red (87%)
- Green (54%)
- Blue (36%)



- Red (87%)
- Yellow (64%)
- Blue (36%)



- Cyan (0%)
- Magenta (38%)
- Yellow (59%)
- Black (13%)



- Cyan (13%)
- Magenta (46%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 47.321, 53.596 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, 47.321, 53.596 by changing the saturation by 10% instead.

65, 47.321, 53.596

65, 47.321, 53.596

100, 47.321,
53.596

55, 47.321, 53.596

85, 47.321, 53.596

45, 47.321, 53.596

95, 47.321, 53.596

35, 47.321, 53.596

25, 47.321, 53.596

15, 47.321, 53.596

5, 47.321, 53.596

0, 47.321, 53.596

65, 47.321, 53.596

65, 47.321, 53.596

62, 57.026, 53.077

69, 37.985, 54.161

58, 66.720, 52.474

72, 29.175, 54.797

56, 75.567, 51.502

76, 20.933, 55.506

53, 82.444, 49.818

80, 13.247, 56.273

53, 83.066, 49.688

85, 6.081, 57.056

89, 0.612, 238.840

93, 6.884, 238.951

97, 10.263,
208.043

98, 11.253,
198.755

Harmonies

Complementary

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



65, 47.321, 53.596



68, 33.299, 248.201

Rectangle

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



65, 47.321, 53.596



65, 47.321, 103.596



65, 47.321, 233.596



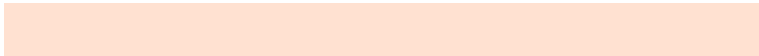
65, 47.321, 283.596

Sweetspot

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



65, 47.320, 53.600



92, 13.965, 56.346



58, 63.433, 341.667



48, 9.806, 56.116



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, 47.320, 53.600



69, 66.097, 52.942



81, 57.193, 96.544



44, 3.780, 57.029



42, 68.739, 50.296



9, 19.121, 43.529

Inverse Universe

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



68, 33.299, 248.201



74, 42.791, 252.480



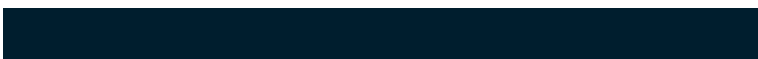
50, 64.679, 293.566



44, 3.616, 238.903



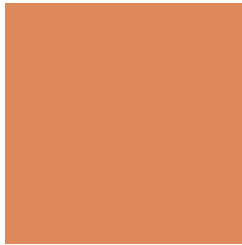
45, 39.981, 264.780



10, 14.491, 254.120

Previews

White Background



This preview shows how the CIELCh color 65, 47.321, 53.596 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, 47.321, 53.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

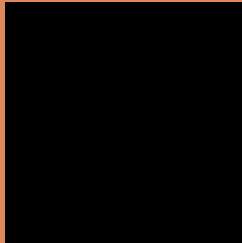
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 47.321, 53.596

Background



This preview shows how black text looks on a background with the CIELCh color 65, 47.321, 53.596.



This preview shows how white text looks on a background with the CIELCh color 65, 47.321, 53.596.

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
65, 38.655, 16.482

Trichromacy



Original Color
65, 47.321, 53.596

Protanomaly
65, 35.038, 76.472

Deuteranomaly
65, 41.343, 68.376

Tritanomaly
65, 39.692, 31.908

Monochromacy



Original Color
65, 47.321, 53.596

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 16.026, 56.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 47.321, 53.596 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(222, 137, 91)` looks like.

```
.text, #text, p{  
    color:rgb(222, 137, 91)  
}
```

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(222, 137, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 137, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 47.321, 53.596 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(222, 137, 91) }
```

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

```
.border{ border-color:rgb(222, 137, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 137, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 137, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 137, 91);  
box-shadow:4px 4px 4px 4px rgb(222, 137,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 47.321, 53.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 137, 91) }
```

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

```
.background{ background-color: rgb(222,  
137, 91) }
```

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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