

Converting Colors

CIELCh(68, 45.015, 64.151)

Have a look what the booklet for
CIELCh(68, 45.015, 64.151) contains.

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Color

CIELCh(68, 44.954, 64.287)

Conversions

Conversions Part 1

Format	Color
Hex	DB975D
RGB	219, 151, 93
RGB Percent	86%, 59%, 36%
CMY	0.1413, 0.4079, 0.6354
CMYK	0.00, 0.31, 0.58, 0.14
HSL	28°, 64%, 61%
HSV	28°, 58%, 86%
XYZ	42.2436, 37.9720, 15.4538
YIQ	164.7200, 59.1460, -3.6220

Conversions

Conversions Part 2

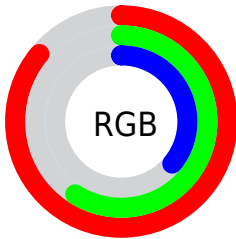
Format	Color
R_{YB}	219, 200, 93
Decimal	14391133
CIE _{Lab}	68.00, 19.50, 40.50
CIE _{LCh}	68, 44.954, 64.287
Yxy	37.9720, 0.4416, 0.3969
Android (android.graphics.Color)	4292581213 (0xFFDB975D)
YUV	164.7200, -35.3580, 47.6036
Hunter-Lab	61.6215, 14.5302, 28.2659

Details

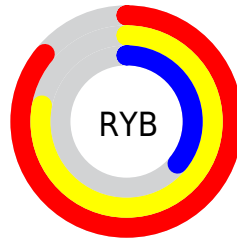
The CIELCh color **68, 44.954, 64.287** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **64, 36.265, 262.595**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 37.910, 74.478**, and **48, 44.987, 64.716** is the 20% darker color. If you saturate the color by 10%, you get **65, 53.875, 63.088**, and if you desaturate by 10%, it is **71, 36.220, 65.452**.

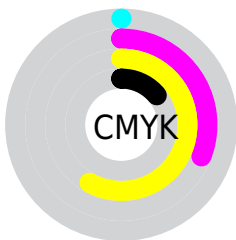
Distribution



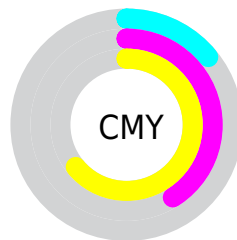
- Red (86%)
- Green (59%)
- Blue (36%)



- Red (86%)
- Yellow (78%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (58%)
- Black (14%)



- Cyan (14%)
- Magenta (41%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 44.954, 64.287 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 68, 44.954, 64.287 by changing the saturation by 10% instead.

68, 44.954, 64.287

68, 44.954, 64.287

100, 44.954,
64.287

58, 44.954, 64.287

88, 44.954, 64.287

48, 44.954, 64.287

98, 44.954, 64.287

38, 44.954, 64.287

28, 44.954, 64.287

18, 44.954, 64.287

8, 44.954, 64.287

0, 44.954, 64.287

68, 44.954, 64.287

68, 44.954, 64.287

65, 53.875, 63.088

71, 36.220, 65.452

62, 62.610, 61.740

74, 27.840, 66.609

59, 70.415, 60.019

78, 19.871, 67.771

57, 76.244, 57.583

81, 12.315, 68.931

56, 77.562, 56.989

85, 5.152, 70.052

88, 1.651, 251.550

92, 8.130, 252.478

95, 10.066,
227.989

98, 12.135,
198.695

Harmonies

Complementary

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



68, 44.954, 64.287



64, 36.265, 262.595

Rectangle

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



68, 44.954, 64.287



68, 44.954, 114.287



68, 44.954, 244.287



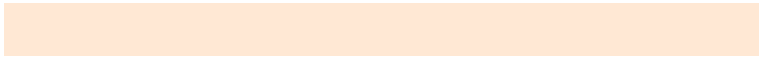
68, 44.954, 294.287

Sweetspot

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



68, 44.953, 64.291



93, 13.493, 68.977



58, 58.035, 347.138



49, 9.075, 68.743



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 44.953, 64.291



74, 62.491, 62.829



84, 60.029, 102.369



44, 3.905, 69.848



45, 64.901, 57.635



10, 18.403, 55.224

Inverse Universe

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



64, 36.265, 262.595



69, 48.321, 266.859



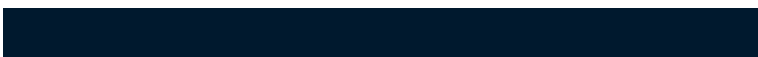
48, 70.130, 297.341



44, 3.797, 252.251



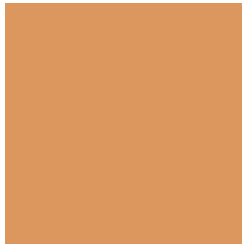
40, 49.697, 279.655



8, 17.007, 269.402

Previews

White Background



This preview shows how the CIELCh color 68, 44.954, 64.287 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 68, 44.954, 64.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

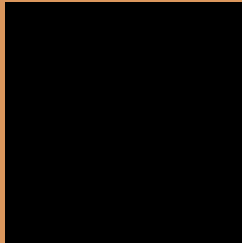
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 44.954, 64.287

Background



This preview shows how black text looks on a background with the CIELCh color 68, 44.954, 64.287.



This preview shows how white text looks on a background with the CIELCh color 68, 44.954, 64.287.

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

68, 44.954, 64.287

Protanopia

68, 37.351, 95.593

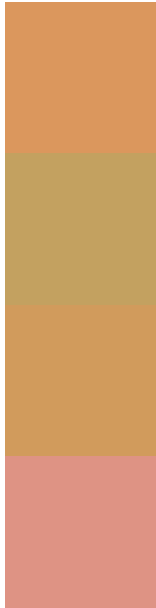
Deuteranopia

68, 42.004, 77.805



Tritanopia
68, 32.407, 13.199

Trichromacy



Original Color
68, 44.954, 64.287

Protanomaly
68, 38.570, 83.579

Deuteranomaly
68, 42.634, 72.101

Tritanomaly
68, 32.975, 36.410

Monochromacy



Original Color
68, 44.954, 64.287

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 15.495, 67.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 44.954, 64.287 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(219, 151, 93)` looks like.

```
.text, #text, p{  
    color:rgb(219, 151, 93)  
}
```

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(219, 151, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 151, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 44.954, 64.287 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(219, 151, 93) }
```

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

```
.border{ border-color:rgb(219, 151, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 151, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 151, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 151, 93);  
box-shadow:4px 4px 4px 4px rgb(219, 151,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 44.954, 64.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 151, 93) }
```

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

```
.background{ background-color: rgb(219,  
151, 93) }
```

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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