

Converting Colors

CIELCh(68, 45.510, 66.386)

Have a look what the booklet for
CIELCh(68, 45.510, 66.386) contains.

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Color

CIELCh(68, 45.196, 66.553)

Conversions

Conversions Part 1

Format	Color
Hex	D9985B
RGB	217, 152, 91
RGB Percent	85%, 60%, 36%
CMY	0.1490, 0.4038, 0.6431
CMYK	0.00, 0.30, 0.58, 0.15
HSL	29°, 62%, 60%
HSV	29°, 58%, 85%
XYZ	41.7406, 37.9720, 15.0304
YIQ	164.4810, 58.3210, -5.1910

Conversions

Conversions Part 2

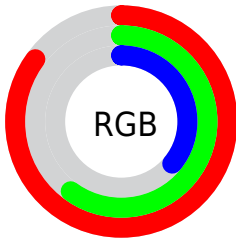
Format	Color
R_{YB}	217, 209, 91
Decimal	14260315
CIE Lab	68.00, 17.98, 41.46
CIE LCh	68, 45.196, 66.553
Yxy	37.9720, 0.4406, 0.4008
Android (android.graphics.Color)	4292450395 (0xFFD9985B)
YUV	164.4810, -36.2261, 46.0592
Hunter-Lab	61.6215, 13.0733, 28.6733

Details

The CIELCh color **68, 45.196, 66.553** 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 **63, 37.450, 265.583**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 38.981, 76.007**, and **48, 45.471, 66.548** is the 20% darker color. If you saturate the color by 10%, you get **65, 53.925, 65.249**, and if you desaturate by 10%, it is **71, 36.583, 67.806**.

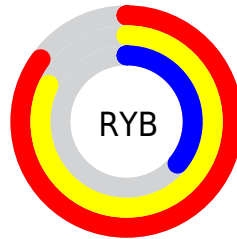
Distribution



Red (85%)

Green (60%)

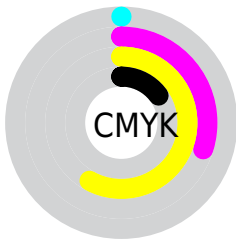
Blue (36%)



Red (85%)

Yellow (82%)

Blue (36%)

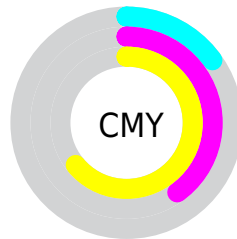


Cyan (0%)

Magenta (30%)

Yellow (58%)

Black (15%)



Cyan (15%)

Magenta (40%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 45.196, 66.553 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, 45.196, 66.553 by changing the saturation by 10% instead.

68, 45.196, 66.553

68, 45.196, 66.553

100, 45.196,
66.553

58, 45.196, 66.553

88, 45.196, 66.553

48, 45.196, 66.553

98, 45.196, 66.553

38, 45.196, 66.553

28, 45.196, 66.553

18, 45.196, 66.553

8, 45.196, 66.553

0, 45.196, 66.553

68, 45.196, 66.553

68, 45.196, 66.553

65, 53.925, 65.249

71, 36.583, 67.806

62, 62.372, 63.776

74, 28.268, 69.037

60, 69.776, 61.912

77, 20.321, 70.263

57, 75.182, 59.356

81, 12.754, 71.477

57, 76.165, 58.872

84, 5.552, 72.649

87, 1.315, 254.223

91, 7.878, 255.133

94, 10.619,
239.776

97, 12.040,
204.161

Harmonies

Complementary

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



68, 45.196, 66.553



63, 37.450, 265.583

Rectangle

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



68, 45.196, 66.553



68, 45.196, 116.553



68, 45.196, 246.553



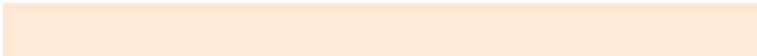
68, 45.196, 296.553

Sweetspot

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



68, 45.195, 66.557



93, 13.653, 71.585



57, 57.064, 349.282



49, 9.179, 71.342



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, 45.195, 66.557



75, 63.424, 64.892



84, 61.743, 103.982



44, 3.957, 72.494



46, 64.203, 59.498



10, 18.357, 57.955

Inverse Universe

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



63, 37.450, 265.583



67, 50.762, 270.063



46, 72.979, 298.646



44, 3.862, 254.958



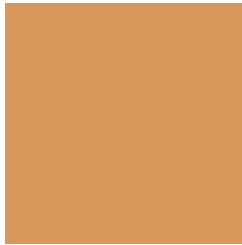
38, 52.154, 282.237



8, 17.671, 272.142

Previews

White Background



This preview shows how the CIELCh color 68, 45.196, 66.553 looks on a white background.

Color Contrast Check

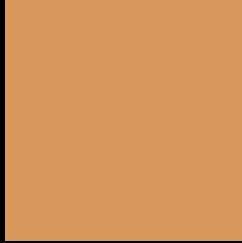
Large Text (above 18pt) WCAG AA × Fail

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, 45.196, 66.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

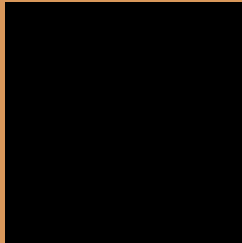
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 45.196, 66.553

Background



This preview shows how black text looks on a background with the CIELCh color 68, 45.196, 66.553.



This preview shows how white text looks on a background with the CIELCh color 68, 45.196, 66.553.

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
68, 31.622, 11.877

Trichromacy



Original Color
68, 45.196, 66.553

Protanomaly
68, 39.543, 84.002

Deuteranomaly
68, 43.395, 73.973

Tritanomaly
68, 32.142, 36.720

Monochromacy



Original Color
68, 45.196, 66.553

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 15.656, 70.037

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 45.196, 66.553 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(217, 152, 91)` looks like.

```
.text, #text, p{  
    color:rgb(217, 152, 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(217, 152, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 152, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 45.196, 66.553 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(217, 152, 91) }
```

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

```
.border{ border-color:rgb(217, 152, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 152, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 152, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 152, 91);  
box-shadow:4px 4px 4px 4px rgb(217, 152,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 45.196, 66.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 152, 91) }
```

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

```
.background{ background-color: rgb(217,  
152, 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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