

Converting Colors

CIELCh(68, 41.273, 57.183)

Have a look what the booklet for
CIELCh(68, 41.273, 57.183) contains.

CIELCh(68, 41.205, 57.241)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 41.205, 57.241)

Conversions

Conversions Part 1

Format	Color
Hex	DD9568
RGB	221, 149, 104
RGB Percent	87%, 58%, 41%
CMY	0.1324, 0.4149, 0.5914
CMYK	0.00, 0.33, 0.53, 0.13
HSL	23°, 63%, 64%
HSV	23°, 53%, 87%
XYZ	43.1778, 37.9720, 18.2025
YIQ	165.3980, 57.3570, 1.2690

Conversions

Conversions Part 2

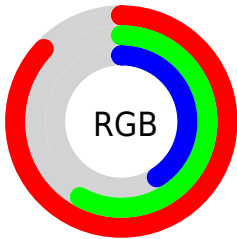
Format	Color
RYB	221, 177, 104
Decimal	14521704
CIELab	68.00, 22.30, 34.65
CIELCh	68, 41.205, 57.241
Yxy	37.9720, 0.4346, 0.3822
Android (android.graphics.Color)	4292711784 (0xFFDD9568)
YUV	165.3980, -30.2692, 48.7630
Hunter-Lab	61.6215, 17.2365, 25.6212

Details

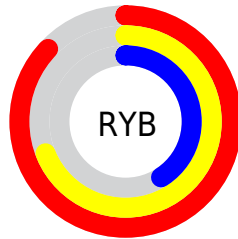
The CIELCh color **68, 41.205, 57.241** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **69, 31.251, 251.232**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 32.858, 67.924**, and **48, 41.206, 57.103** is the 20% darker color. If you saturate the color by 10%, you get **65, 50.512, 56.479**, and if you desaturate by 10%, it is **72, 32.328, 58.049**.

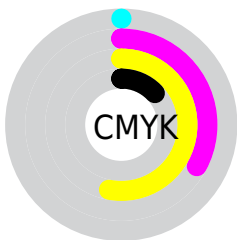
Distribution



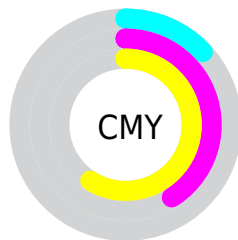
- Red (87%)
- Green (58%)
- Blue (41%)



- Red (87%)
- Yellow (69%)
- Blue (41%)



- Cyan (0%)
- Magenta (33%)
- Yellow (53%)
- Black (13%)



- Cyan (13%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 41.205, 57.241 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, 41.205, 57.241 by changing the saturation by 10% instead.

68, 41.205, 57.241

68, 41.205, 57.241

100, 41.205,
57.241

58, 41.205, 57.241

88, 41.205, 57.241

48, 41.205, 57.241

98, 41.205, 57.241

38, 41.205, 57.241

28, 41.205, 57.241

18, 41.205, 57.241

8, 41.205, 57.241

0, 41.205, 57.241

68, 41.205, 57.241

68, 41.205, 57.241

65, 50.512, 56.479

72, 32.328, 58.049

61, 60.021, 55.685

75, 23.966, 58.904

58, 69.199, 54.695

79, 16.129, 59.803

56, 77.005, 53.144

83, 8.790, 60.724

54, 81.395, 51.688

87, 1.911, 61.491

91, 4.557, 242.832

95, 9.416, 234.064

98, 11.403,
198.744

Harmonies

Complementary

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



68, 41.205, 57.241



69, 31.251, 251.232

Rectangle

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



68, 41.205, 57.241



68, 41.205, 107.241



68, 41.205, 237.241



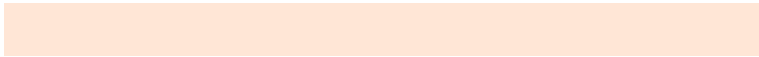
68, 41.205, 287.241

Sweetspot

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



68, 41.204, 57.246



93, 12.364, 60.427



60, 56.564, 342.697



49, 8.405, 60.236



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, 41.204, 57.246



73, 56.867, 56.433



83, 53.072, 99.218



44, 3.797, 61.037



43, 67.488, 52.322



9, 18.820, 46.922

Inverse Universe

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



69, 31.251, 251.232



75, 40.496, 254.544



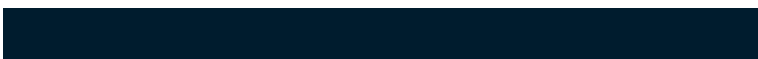
53, 59.568, 293.567



44, 3.650, 243.116



43, 42.638, 269.910



9, 15.145, 259.216

Previews

White Background



This preview shows how the CIELCh color 68, 41.205, 57.241 looks on a white background.

Color Contrast Check

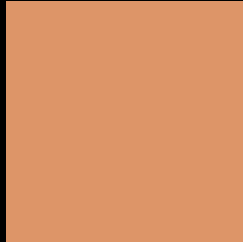
Large Text (above 18pt) WCAG AA × Fail

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, 41.205, 57.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

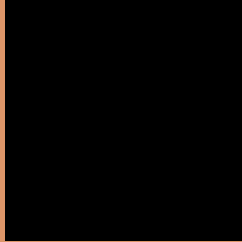
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 41.205, 57.241

Background



This preview shows how black text looks on a background with the CIELCh color 68, 41.205, 57.241.



This preview shows how white text looks on a background with the CIELCh color 68, 41.205, 57.241.

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, 41.205, 57.241

Protanopia

68, 30.478, 95.747

Deuteranopia

68, 36.538, 76.597



Tritanopia
68, 33.255, 12.622

Trichromacy



Original Color
68, 41.205, 57.241

Protanomaly
68, 31.995, 78.935

Deuteranomaly
68, 37.424, 68.627

Tritanomaly
68, 33.567, 30.818

Monochromacy



Original Color
68, 41.205, 57.241

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 13.780, 59.434

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 41.205, 57.241 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(221, 149, 104)` looks like.

```
.text, #text, p{  
    color:rgb(221, 149, 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(221, 149, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 149, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 41.205, 57.241 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(221, 149, 104) }
```

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

```
.border{ border-color:rgb(221, 149, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 149, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 149, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 149, 104);  
box-shadow:4px 4px 4px 4px rgb(221, 149,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 41.205, 57.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 149, 104) }
```

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

```
.background{ background-color: rgb(221,  
149, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor