

Converting Colors

CIELCh(67, 42.472, 54.600)

Have a look what the booklet for
CIELCh(67, 42.472, 54.600) contains.

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Color

CIELCh(67, 42.565, 54.567)

Conversions

Conversions Part 1

Format	Color
Hex	DE9166
RGB	222, 145, 102
RGB Percent	87%, 57%, 40%
CMY	0.1304, 0.4322, 0.6008
CMYK	0.00, 0.35, 0.54, 0.13
HSL	22°, 64%, 63%
HSV	22°, 54%, 87%
XYZ	42.5308, 36.6320, 17.3468
YIQ	163.1210, 59.6950, 2.9510

Conversions

Conversions Part 2

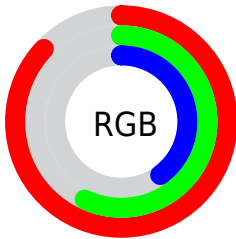
Format	Color
R _{YB}	222, 169, 102
Decimal	14586214
CIE Lab	67.00, 24.68, 34.68
CIE LCh	67, 42.565, 54.567
Yxy	36.6320, 0.4407, 0.3796
Android (android.graphics.Color)	4292776294 (0xFFDE9166)
YUV	163.1210, -30.1327, 51.6369
Hunter-Lab	60.5244, 19.5154, 25.3740

Details

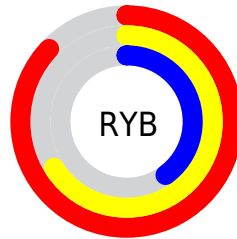
The CIELCh color **67, 42.565, 54.567** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **70, 31.209, 247.817**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 33.346, 64.773**, and **47, 42.363, 54.677** is the 20% darker color. If you saturate the color by 10%, you get **63, 52.077, 53.986**, and if you desaturate by 10%, it is **71, 33.508, 55.213**.

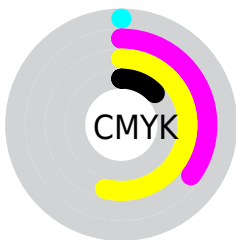
Distribution



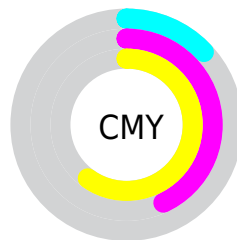
- Red (87%)
- Green (57%)
- Blue (40%)



- Red (87%)
- Yellow (66%)
- Blue (40%)



- Cyan (0%)
- Magenta (35%)
- Yellow (54%)
- Black (13%)



- Cyan (13%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 42.565, 54.567 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 67, 42.565, 54.567 by changing the saturation by 10% instead.

67, 42.565, 54.567

67, 42.565, 54.567

100, 42.565,
54.567

57, 42.565, 54.567

87, 42.565, 54.567

47, 42.565, 54.567

97, 42.565, 54.567

37, 42.565, 54.567

27, 42.565, 54.567

17, 42.565, 54.567

7, 42.565, 54.567

0, 42.565, 54.567

67, 42.565, 54.567

67, 42.565, 54.567

63, 52.077, 53.986

71, 33.508, 55.213

60, 61.796, 53.386

75, 24.998, 55.926

57, 71.144, 52.582

79, 17.047, 56.702

55, 78.983, 51.166

83, 9.629, 57.516

53, 82.752, 50.098

87, 2.701, 58.254

91, 3.786, 239.471

95, 9.277, 235.156

98, 11.232,
198.756

Harmonies

Complementary

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



67, 42.565, 54.567



70, 31.209, 247.817

Rectangle

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



67, 42.565, 54.567



67, 42.565, 104.567



67, 42.565, 234.567



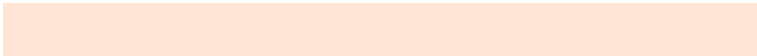
67, 42.565, 284.567

Sweetspot

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



67, 42.564, 54.571



93, 12.328, 57.350



60, 58.971, 341.083



48, 8.384, 57.180



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 42.564, 54.571



72, 59.395, 53.904



82, 52.792, 97.113



44, 3.782, 57.893



42, 68.467, 50.715



9, 19.051, 44.241

Inverse Universe

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



70, 31.209, 247.817



75, 40.374, 251.375



53, 58.703, 292.327



44, 3.622, 239.814



45, 40.524, 265.928



10, 14.622, 255.245

Previews

White Background



This preview shows how the CIELCh color 67, 42.565, 54.567 looks on a white background.

Color Contrast Check

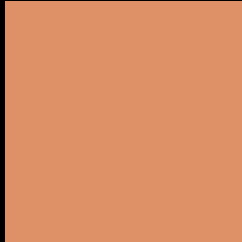
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 42.565, 54.567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

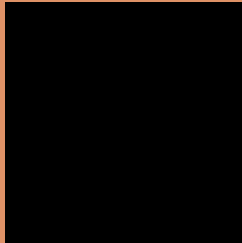
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 42.565, 54.567

Background



This preview shows how black text looks on a background with the CIELCh color 67, 42.565, 54.567.



This preview shows how white text looks on a background with the CIELCh color 67, 42.565, 54.567.

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

67, 42.565, 54.567

Protanopia

67, 30.048, 95.548

Deuteranopia

67, 36.675, 76.498



Tritanopia
67, 35.023, 14.286

Trichromacy



Original Color
67, 42.565, 54.567

Protanomaly
67, 32.137, 77.103

Deuteranomaly
67, 38.189, 67.555

Tritanomaly
67, 35.463, 30.638

Monochromacy



Original Color
67, 42.565, 54.567

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 14.157, 55.686

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 42.565, 54.567 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, 145, 102)` looks like.

```
.text, #text, p{  
    color:rgb(222, 145, 102)  
}
```

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, 145, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 145, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 42.565, 54.567 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, 145, 102) }
```

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

```
.border{ border-color:rgb(222, 145, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 145, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 145, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 145, 102);  
box-shadow:4px 4px 4px 4px rgb(222, 145,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 42.565, 54.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 145, 102) }
```

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

```
.background{ background-color: rgb(222,  
145, 102) }
```

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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