

Converting Colors

CIELCh(67, 45.510, 0.698)

Have a look what the booklet for
CIELCh(67, 45.510, 0.698) contains.

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Color

CIELCh(67, 45.601, 0.381)

Conversions

Conversions Part 1

Format	Color
Hex	EE81A4
RGB	238, 129, 164
RGB Percent	93%, 51%, 64%
CMY	0.0660, 0.4935, 0.3563
CMYK	0.00, 0.46, 0.31, 0.07
HSL	341°, 76%, 72%
HSV	341°, 46%, 93%
XYZ	49.9002, 36.6320, 39.6330
YIQ	165.5810, 53.7290, 33.9930

Conversions

Conversions Part 2

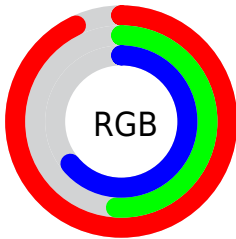
Format	Color
R_{YB}	238, 129, 164
Decimal	15630756
CIE _{Lab}	67.00, 45.60, 0.30
CIE _{LCh}	67, 45.601, 0.381
Yxy	36.6320, 0.3955, 0.2903
Android (android.graphics.Color)	4293820836 (0xFFEE81A4)
YUV	165.5810, -0.7794, 63.5115
Hunter-Lab	60.5244, 41.2494, 3.5424

Details

The CIELCh color $67, 45.601, 0.381$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $87, 40.161, 169.601$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 31.638, 346.639$, and $47, 45.465, 0.539$ is the 20% darker color. If you saturate the color by 10%, you get $62, 55.266, 2.481$, and if you desaturate by 10%, it is $72, 35.475, 358.679$.

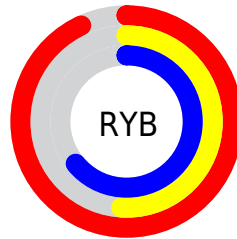
Distribution



Red (93%)

Green (51%)

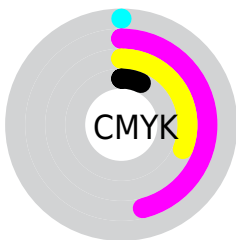
Blue (64%)



Red (93%)

Yellow (51%)

Blue (64%)

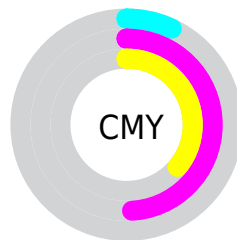


Cyan (0%)

Magenta (46%)

Yellow (31%)

Black (7%)



Cyan (7%)


Magenta (49%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 45.601, 0.381 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, 45.601, 0.381 by changing the saturation by 10% instead.

 67, 45.601, 0.381  67, 45.601, 0.381

 100, 45.601, 0.381  57, 45.601, 0.381

 87, 45.601, 0.381  47, 45.601, 0.381

 97, 45.601, 0.381  37, 45.601, 0.381

 27, 45.601, 0.381

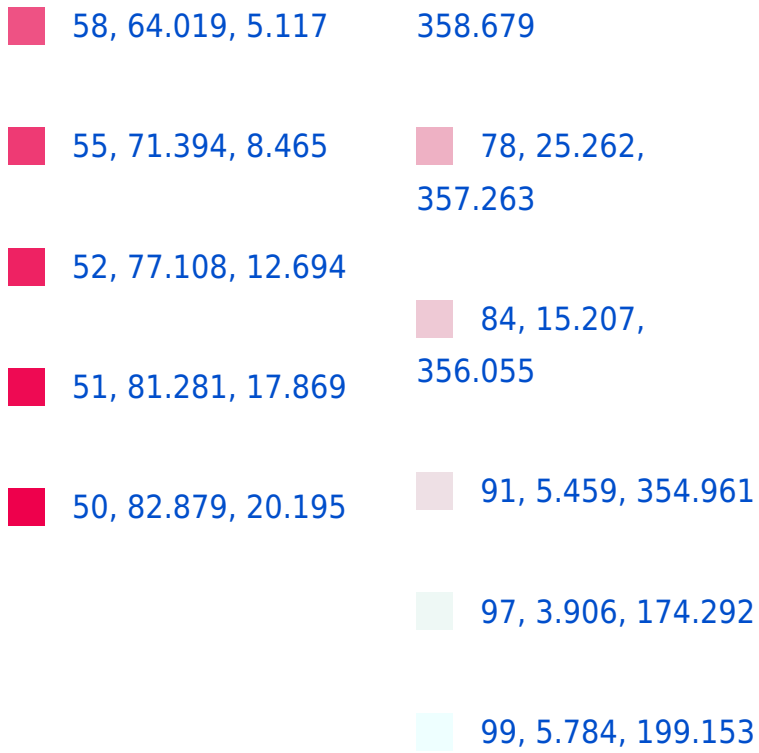
 17, 45.601, 0.381

 7, 45.601, 0.381

 0, 45.601, 0.381

 67, 45.601, 0.381  67, 45.601, 0.381

 62, 55.266, 2.481  72, 35.475,



Harmonies

Complementary

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



67, 45.601, 0.381



87, 40.161, 169.601

Rectangle

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



67, 45.601, 0.381



67, 45.601, 50.381



67, 45.601, 180.381



67, 45.601, 230.381

Sweetspot

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



67, 45.598, 0.383



91, 14.224, 355.863



65, 64.154, 316.631



47, 9.859, 356.105



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, 45.598, 0.383



67, 57.641, 2.349



70, 40.289, 36.748



47, 5.443, 355.366



39, 67.859, 19.163



8, 28.761, 8.992

Inverse Universe

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



67, 45.598, 0.383



67, 57.641, 2.349



83, 28.410, 217.658



47, 5.443, 355.366



39, 67.859, 19.163



8, 28.761, 8.992

Previews

White Background



This preview shows how the CIELCh color 67, 45.601, 0.381 looks on a white background.

Color Contrast Check

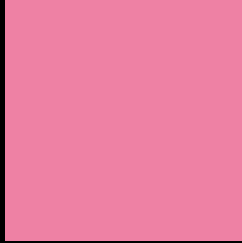
Large Text (above 18pt) WCAG AA × Fail

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, 45.601, 0.381 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, 45.601, 0.381

Background



This preview shows how black text looks on a background with the CIELCh color 67, 45.601, 0.381.

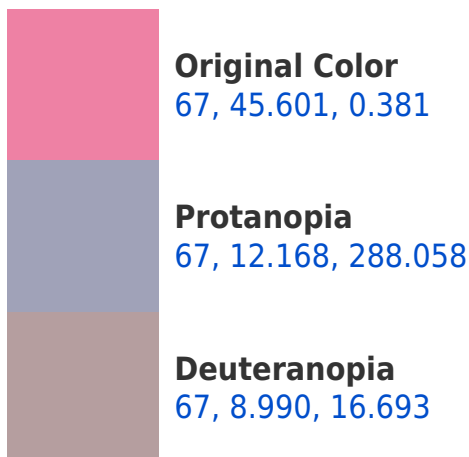


This preview shows how white text looks on a background with the CIELCh color 67, 45.601, 0.381.

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
67, 42.164, 16.757

Trichromacy



Original Color
67, 45.601, 0.381



Protanomaly
66, 20.653, 335.244



Deuteranomaly
67, 22.281, 3.088



Tritanomaly
67, 42.875, 10.517

Monochromacy



Original Color
67, 45.601, 0.381



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 16.466, 357.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 45.601, 0.381 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(238, 129, 164)` looks like.

```
.text, #text, p{  
    color:rgb(238, 129, 164)  
}
```

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(238, 129, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 129, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 45.601, 0.381 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(238, 129, 164) }
```

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

```
.border{ border-color:rgb(238, 129, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 129, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 129, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 129, 164);  
box-shadow:4px 4px 4px 4px rgb(238, 129,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 45.601, 0.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 129, 164) }
```

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

```
.background{ background-color: rgb(238,  
129, 164) }
```

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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