

Converting Colors

CIELCh(66, 56.803, 16.255)

Have a look what the booklet for
CIELCh(66, 56.803, 16.255) contains.

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Color

CIELCh(66, 56.803, 16.255)

Conversions

Conversions Part 1

Format	Color
Hex	FF7487
RGB	255, 116, 135
RGB Percent	100%, 45%, 53%
CMY	0.0017, 0.5465, 0.4720
CMYK	0.00, 0.55, 0.47, 0.00
HSL	352°, 99%, 73%
HSV	352°, 55%, 100%
XYZ	51.6353, 35.3238, 26.8898
YIQ	159.7270, 76.7450, 35.3770

Conversions

Conversions Part 2

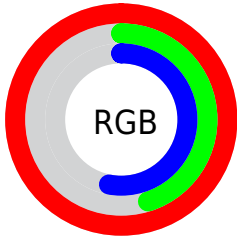
Format	Color
R _Y B	255, 116, 135
Decimal	16741511
CIE Lab	66.00, 54.53, 15.90
CIE LCh	66, 56.803, 16.255
Yxy	35.3238, 0.4535, 0.3103
Android (android.graphics.Color)	4294931591 (0xFFFF7487)
YUV	159.7270, -12.1904, 83.5544
Hunter-Lab	59.4338, 51.0692, 14.7790

Details

The CIELCh color **66, 56.803, 16.255** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **92, 42.347, 183.239**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 32.804, 7.572**, and **46, 57.005, 15.927** is the 20% darker color. If you saturate the color by 10%, you get **61, 67.517, 19.183**, and if you desaturate by 10%, it is **71, 45.751, 13.960**.

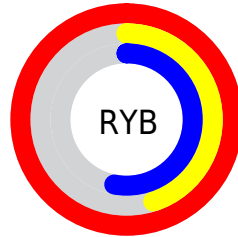
Distribution



Red (100%)

Green (45%)

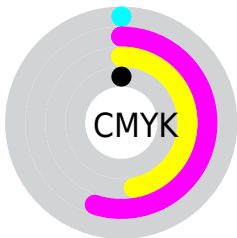
Blue (53%)



Red (100%)

Yellow (45%)

Blue (53%)

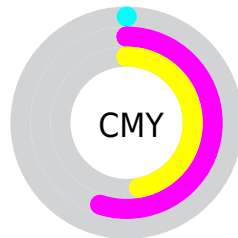


Cyan (0%)

Magenta (55%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 56.803, 16.255 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 66, 56.803, 16.255 by changing the saturation by 10% instead.

 66, 56.803, 16.255

 66, 56.803, 16.255

 100, 56.803,
16.255

 56, 56.803, 16.255

 86, 56.803, 16.255

 46, 56.803, 16.255

 96, 56.803, 16.255

 36, 56.803, 16.255

 26, 56.803, 16.255

 16, 56.803, 16.255

 6, 56.803, 16.255

 0, 56.803, 16.255

 66, 56.803, 16.255

 66, 56.803, 16.255

 61, 67.517, 19.183

 71, 45.751, 13.960

■ 58, 77.504, 22.864

■ 77, 34.746, 12.147

■ 55, 86.458, 27.317

■ 83, 24.059, 10.693

■ 54, 94.178, 32.253

■ 90, 13.859, 9.500

■ 53, 97.839, 34.774

■ 97, 4.221, 8.424

100, 0.147,
203.918

Harmonies

Complementary

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



66, 56.803, 16.255



92, 42.347, 183.239

Rectangle

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



66, 56.803, 16.255



66, 56.803, 66.255



66, 56.803, 196.255



66, 56.803, 246.255

Sweetspot

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



66, 56.800, 16.258



89, 15.296, 9.657



67, 81.867, 322.635



46, 10.391, 9.892



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 56.800, 16.258



61, 68.047, 19.324



75, 48.270, 53.702



50, 5.329, 8.959



40, 78.149, 33.896



10, 32.360, 21.573

Inverse Universe

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



66, 56.800, 16.258



61, 68.047, 19.324



79, 34.886, 246.836



50, 5.329, 8.959



40, 78.149, 33.896



10, 32.360, 21.573

Previews

White Background



This preview shows how the CIELCh color 66, 56.803, 16.255 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 66, 56.803, 16.255 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 66, 56.803, 16.255

Background



This preview shows how black text looks on a background with the CIELCh color 66, 56.803, 16.255.



This preview shows how white text looks on a background with the CIELCh color 66, 56.803, 16.255.

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

66, 56.803, 16.255

Protanopia

66, 1.881, 55.190

Deuteranopia

66, 20.110, 65.215



Tritanopia
66, 56.979, 21.952

Trichromacy



Original Color
66, 56.803, 16.255



Protanomaly
65, 21.455, 12.777



Deuteranomaly
65, 31.038, 32.386



Tritanomaly
66, 56.534, 19.798

Monochromacy



Original Color
66, 56.803, 16.255



Achromatopsia
65, 0.008, 296.813



Achromatomaly
64, 20.714, 10.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 56.803, 16.255 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(255, 116, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 135)  
}
```

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(255, 116, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 56.803, 16.255 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(255, 116, 135) }
```

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

```
.border{ border-color:rgb(255, 116, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 56.803, 16.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 135) }
```

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

```
.background{ background-color: rgb(255,  
116, 135) }
```

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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