

Converting Colors

CIELCh(66, 97.955, 17.701)

Have a look what the booklet for
CIELCh(66, 97.955, 17.701) contains.

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Color

CIELCh(56, 81.808, 9.829)

Conversions

Conversions Part 1

Format	Color
Hex	FF2272
RGB	255, 34, 114
RGB Percent	100%, 13%, 45%
CMY	0.0000, 0.8673, 0.5521
CMYK	0.00, 0.87, 0.55, 0.00
HSL	338°, 100%, 57%
HSV	338°, 87%, 100%
XYZ	45.4359, 23.9124, 18.2008
YIQ	109.1990, 106.0360, 71.7320

Conversions

Conversions Part 2

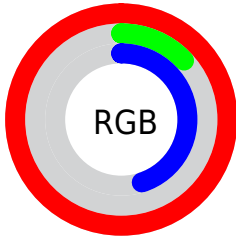
Format	Color
R_{YB}	255, 34, 114
Decimal	16720498
CIE _{Lab}	56.00, 80.61, 13.97
CIE _{LCh}	56, 81.808, 9.829
Yxy	23.9124, 0.5190, 0.2731
Android (android.graphics.Color)	4294910578 (0xFFFF2272)
YUV	109.1990, 2.3669, 127.8675
Hunter-Lab	48.9003, 80.2782, 12.1623

Details

The CIELCh color **56, 81.808, 9.829** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **89, 71.470, 159.680**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 60.786, 358.275**, and **40, 69.143, 16.542** is the 20% darker color. If you saturate the color by 10%, you get **54, 84.864, 14.636**, and if you desaturate by 10%, it is **58, 76.076, 5.431**.

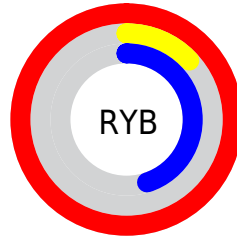
Distribution



Red (100%)

Green (13%)

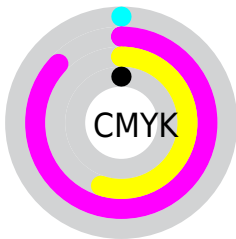
Blue (45%)



Red (100%)

Yellow (13%)

Blue (45%)

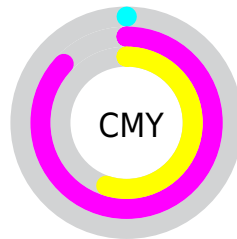


Cyan (0%)

Magenta (87%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (87%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 81.808, 9.829 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 56, 81.808, 9.829 by changing the saturation by 10% instead.

 56, 81.808, 9.829  56, 81.808, 9.829

 100, 81.808, 9.829  46, 81.808, 9.829

 76, 81.808, 9.829  36, 81.808, 9.829

 86, 81.808, 9.829  26, 81.808, 9.829

 96, 81.808, 9.829  16, 81.808, 9.829

 6, 81.808, 9.829

 0, 81.808, 9.829

 56, 81.808, 9.829  56, 81.808, 9.829

 54, 84.864, 14.636  58, 76.076, 5.431

 54, 85.886, 16.405  62, 68.835, 2.181

66, 59.928,
359.624

71, 49.867,
357.583

77, 39.174,
355.920

83, 28.271,
354.530

89, 17.452,
353.338

96, 6.901, 352.266

100, 0.012,
296.813

Harmonies

Complementary

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



56, 81.808, 9.829



89, 71.470, 159.680

Rectangle

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



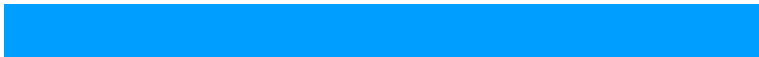
56, 81.808, 9.829



56, 81.808, 59.829



56, 81.808, 189.829



56, 81.808, 239.829

Sweetspot

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



56, 81.359, 9.553



83, 27.479, 354.438



49, 115.548, 315.990



42, 18.697, 354.888



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 81.359, 9.553



54, 85.886, 16.405



57, 91.669, 40.261



50, 5.861, 352.560



40, 68.933, 15.349



10, 31.290, 7.905

Inverse Universe

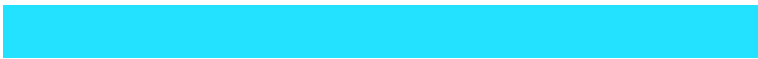
The Inverse Universe completely reimagines the original color for something new.



56, 81.359, 9.553



54, 85.886, 16.405



83, 43.062, 218.449



50, 5.861, 352.560



40, 68.933, 15.349



10, 31.290, 7.905

Previews

White Background



This preview shows how the CIELCh color 56, 81.808, 9.829 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 81.808, 9.829 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 × Fail

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

CIELCh 56, 81.808, 9.829

Background



This preview shows how black text looks on a background with the CIELCh color 56, 81.808, 9.829.



This preview shows how white text looks on a background with the CIELCh color 56, 81.808, 9.829.

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

56, 81.342, 9.646

Protanopia

56, 16.662, 285.999

Deuteranopia

56, 18.815, 66.332



Tritanopia
56, 86.866, 33.731

Trichromacy



Original Color
56, 81.342, 9.646



Protanomaly
51, 39.736, 341.288



Deuteranomaly
52, 42.414, 14.898



Tritanomaly
56, 83.176, 25.536

Monochromacy



Original Color
56, 81.342, 9.646



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 36.413, 357.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 81.808, 9.829 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, 34, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 114)  
}
```

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, 34, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 81.808, 9.829 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, 34, 114) }
```

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

```
.border{ border-color:rgb(255, 34, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 34, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 81.808, 9.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 114) }
```

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

```
.background{ background-color: rgb(255, 34,  
114) }
```

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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