

Converting Colors

CIELCh(56, 80.739, 14.330)

Have a look what the booklet for
CIELCh(56, 80.739, 14.330) contains.

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Color

CIELCh(56, 80.611, 14.381)

Conversions

Conversions Part 1

Format	Color
Hex	FF2A68
RGB	255, 42, 104
RGB Percent	100%, 16%, 41%
CMY	0.0000, 0.8353, 0.5922
CMYK	0.00, 0.84, 0.59, 0.00
HSL	343°, 100%, 58%
HSV	343°, 84%, 100%
XYZ	44.5622, 23.9124, 15.3614
YIQ	112.7550, 107.0460, 64.4380

Conversions

Conversions Part 2

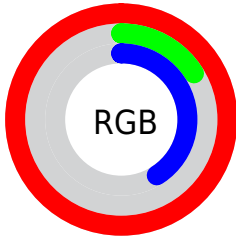
Format	Color
RYB	255, 42, 104
Decimal	16722536
CIELab	56.00, 78.09, 20.02
CIElCh	56, 80.611, 14.381
Yxy	23.9124, 0.5315, 0.2852
Android (android.graphics.Color)	4294912616 (0xFFFF2A68)
YUV	112.7550, -4.3162, 124.7489
Hunter-Lab	48.9003, 77.0890, 15.6050

Details

The CIELCh color **56, 80.611, 14.381** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **90, 64.508, 165.594**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 58.483, 4.126**, and **40, 70.489, 20.925** is the 20% darker color. If you saturate the color by 10%, you get **54, 85.809, 19.517**, and if you desaturate by 10%, it is **59, 73.840, 10.185**.

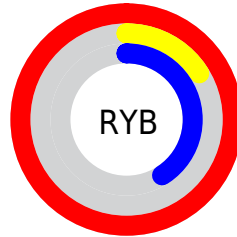
Distribution



Red (100%)

Green (16%)

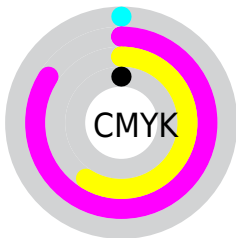
Blue (41%)



Red (100%)

Yellow (16%)

Blue (41%)

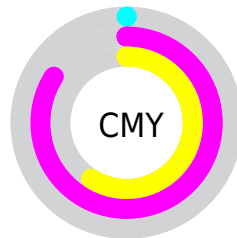


Cyan (0%)

Magenta (84%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (84%)

Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 80.611, 14.381 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 56, 80.611, 14.381 by changing the saturation by 10% instead.

 56, 80.611, 14.381

 56, 80.611, 14.381

 100, 80.611,
14.381

 46, 80.611, 14.381

 76, 80.611, 14.381

 36, 80.611, 14.381

 86, 80.611, 14.381

 26, 80.611, 14.381

 96, 80.611, 14.381

 16, 80.611, 14.381

 6, 80.611, 14.381

 0, 80.611, 14.381

 56, 80.611, 14.381

 56, 80.611, 14.381

 54, 85.809, 19.517

 59, 73.840, 10.185

 54, 88.713, 23.160

 62, 65.473, 6.862

67, 55.841, 4.247

72, 45.431, 2.166

78, 34.698, 0.479

85, 23.990,
359.079

91, 13.532,
357.883

98, 3.455, 356.745

100, 0.012,
279.216

Harmonies

Complementary

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



56, 80.611, 14.381



90, 64.508, 165.594

Rectangle

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



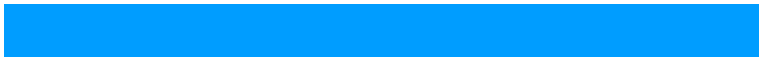
56, 80.611, 14.381



56, 80.611, 64.381



56, 80.611, 194.381



56, 80.611, 244.381

Sweetspot

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



56, 80.607, 14.383



84, 25.558, 359.270



52, 112.431, 318.088



42, 17.534, 359.747



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, 80.607, 14.383



54, 88.716, 23.160



60, 85.491, 42.762



50, 5.641, 357.440



40, 70.999, 22.069



10, 31.499, 13.369

Inverse Universe

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



56, 80.607, 14.383



54, 88.716, 23.160



79, 42.131, 230.373



50, 5.641, 357.440



40, 70.999, 22.069



10, 31.499, 13.369

Previews

White Background



This preview shows how the CIELCh color 56, 80.611, 14.381 looks on a white background.

Color Contrast Check

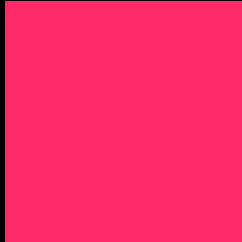
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.611, 14.381 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 × Fail

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

CIELCh 56, 80.611, 14.381

Background



This preview shows how black text looks on a background with the CIELCh color 56, 80.611, 14.381.



This preview shows how white text looks on a background with the CIELCh color 56, 80.611, 14.381.

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



Original Color

56, 80.611, 14.381

Protanopia

56, 6.870, 290.998

Deuteranopia

56, 24.490, 73.418



Tritanopia
56, 86.545, 33.326

Trichromacy



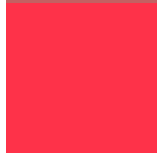
Original Color
56, 80.611, 14.381



Protanomaly
52, 34.872, 355.017



Deuteranomaly
53, 43.042, 24.408

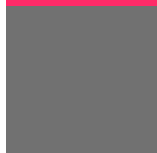


Tritanomaly
56, 83.659, 27.095

Monochromacy



Original Color
56, 80.611, 14.381



Achromatopsia
48, 0.006, 296.813



Achromatomaly
47, 34.698, 2.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 80.611, 14.381 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(255, 42, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 42, 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(255, 42, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 42, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 80.611, 14.381 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(255, 42, 104) }
```

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

```
.border{ border-color:rgb(255, 42, 104) }
```

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

Here you see how a box with a 4 pixel rgb(255, 42, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 42, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 42, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 42,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 80.611, 14.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 42, 104) }
```

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

```
.background{ background-color: rgb(255, 42,  
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](#).

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