

Converting Colors

CIELCh(56, 82.338, 2.836)

Have a look what the booklet for
CIELCh(56, 82.338, 2.836) contains.

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Color

CIELCh(56, 82.248, 2.566)

Conversions

Conversions Part 1

Format	Color
Hex	FF1E83
RGB	255, 30, 131
RGB Percent	100%, 12%, 51%
CMY	0.0000, 0.8828, 0.4849
CMYK	0.00, 0.88, 0.48, 0.00
HSL	333°, 100%, 56%
HSV	333°, 88%, 100%
XYZ	45.9814, 23.9124, 23.7877
YIQ	108.7890, 101.6790, 79.1110

Conversions

Conversions Part 2

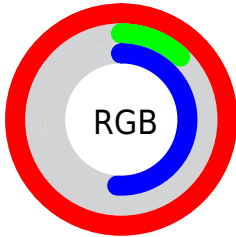
Format	Color
R_{YB}	255, 30, 131
Decimal	16719491
CIE _{Lab}	56.00, 82.17, 3.68
CIE _{LCh}	56, 82.248, 2.566
Yxy	23.9124, 0.4908, 0.2553
Android (android.graphics.Color)	4294909571 (0xFFFF1E83)
YUV	108.7890, 10.9500, 128.2270
Hunter-Lab	48.9003, 82.2694, 5.3885

Details

The CIELCh color **56, 82.248, 2.566** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **89, 79.442, 153.962**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 65.043, 349.140**, and **41, 67.997, 8.948** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.153, 6.981**, and if you desaturate by 10%, it is **58, 78.058, 358.862**.

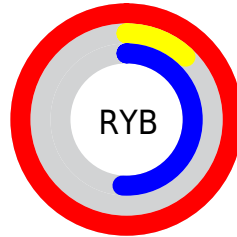
Distribution



Red (100%)

Green (12%)

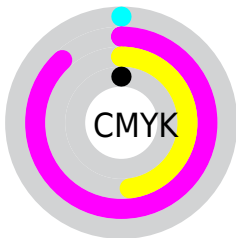
Blue (51%)



Red (100%)

Yellow (12%)

Blue (51%)

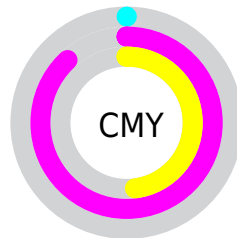


Cyan (0%)

Magenta (88%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 82.248, 2.566 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, 82.248, 2.566 by changing the saturation by 10% instead.

 56, 82.248, 2.566

 56, 82.248, 2.566

 100, 82.248, 2.566

 46, 82.248, 2.566

 76, 82.248, 2.566

 36, 82.248, 2.566

 86, 82.248, 2.566

 26, 82.248, 2.566

 96, 82.248, 2.566

 16, 82.248, 2.566

 6, 82.248, 2.566

 0, 82.248, 2.566

 56, 82.248, 2.566

 56, 82.248, 2.566

 55, 84.153, 6.981

 58, 78.058,
358.862

 55, 84.444, 7.800

61, 71.655,
356.018

65, 63.233,
353.769

70, 53.342,
351.954

76, 42.556,
350.453

82, 31.356,
349.178

88, 20.088,
348.069

95, 8.982, 347.067

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, 82.248, 2.566



89, 79.442, 153.962

Rectangle

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



56, 82.248, 2.566



56, 82.248, 52.566



56, 82.248, 182.566



56, 82.248, 232.566

Sweetspot

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



56, 82.139, 2.480



83, 28.786, 348.913



45, 118.375, 313.213



42, 19.557, 349.320



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, 82.139, 2.480



55, 84.444, 7.800



55, 96.511, 37.791



50, 6.180, 347.187



41, 67.998, 6.871



10, 31.492, 0.528

Inverse Universe

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



56, 82.139, 2.480



55, 84.444, 7.800



89, 47.217, 201.350



50, 6.180, 347.187



41, 67.998, 6.871



10, 31.492, 0.528

Previews

White Background



This preview shows how the CIELCh color 56, 82.248, 2.566 looks on a white background.

Color Contrast Check

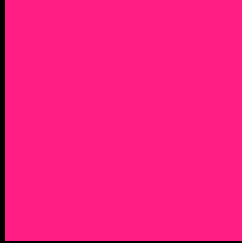
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.248, 2.566 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, 82.248, 2.566

Background



This preview shows how black text looks on a background with the CIELCh color 56, 82.248, 2.566.

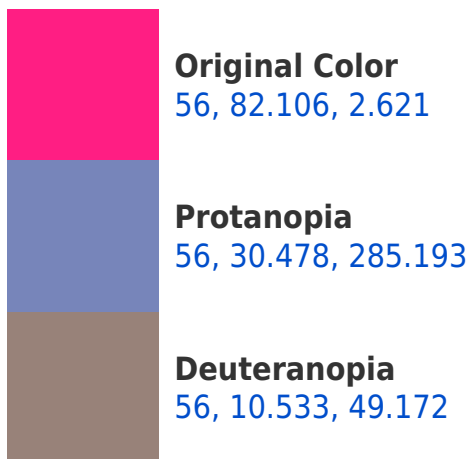


This preview shows how white text looks on a background with the CIELCh color 56, 82.248, 2.566.

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
56, 84.492, 32.803

Trichromacy



Original Color
56, 82.106, 2.621



Protanomaly
51, 47.304, 327.478



Deuteranomaly
52, 41.529, 0.736



Tritanomaly
56, 80.968, 22.199

Monochromacy



Original Color
56, 82.106, 2.621



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 38.645, 352.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 82.248, 2.566 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, 30, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 30, 131)  
}
```

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, 30, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 30, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 82.248, 2.566 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, 30, 131) }
```

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

```
.border{ border-color:rgb(255, 30, 131) }
```

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

Here you see how a box with a 4 pixel rgb(255, 30, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 30, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 30, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 30,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 82.248, 2.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 30, 131) }
```

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

```
.background{ background-color: rgb(255, 30,  
131) }
```

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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