

Converting Colors

CIELCh(56, 81.160, 5.376)

Have a look what the booklet for
CIELCh(56, 81.160, 5.376) contains.

CIELCh(56, 81.130, 5.308)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 81.130, 5.308)

Conversions

Conversions Part 1

Format	Color
Hex	FF237D
RGB	255, 35, 125
RGB Percent	100%, 14%, 49%
CMY	0.0004, 0.8633, 0.5101
CMYK	0.00, 0.86, 0.51, 0.00
HSL	335°, 100%, 57%
HSV	335°, 86%, 100%
XYZ	45.4969, 23.9124, 21.5939
YIQ	111.0400, 102.2300, 74.6300

Conversions

Conversions Part 2

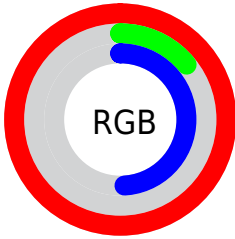
Format	Color
R_{YB}	255, 35, 125
Decimal	16720765
CIE _{Lab}	56.00, 80.78, 7.51
CIE _{LCh}	56, 81.130, 5.308
Yxy	23.9124, 0.4999, 0.2628
Android (android.graphics.Color)	4294910845 (0xFFFF237D)
YUV	111.0400, 6.8823, 126.2529
Hunter-Lab	48.9003, 80.5009, 8.0484

Details

The CIELCh color **56, 81.130, 5.308** 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, 74.954, 156.818**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 62.678, 352.549**, and **41, 68.221, 11.499** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.986, 10.020**, and if you desaturate by 10%, it is **58, 76.244, 1.540**.

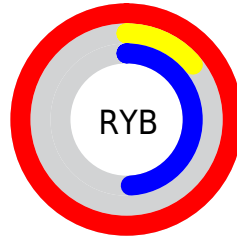
Distribution



Red (100%)

Green (14%)

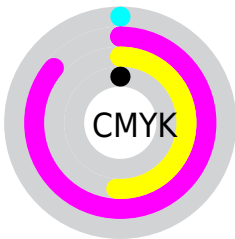
Blue (49%)



Red (100%)

Yellow (14%)

Blue (49%)

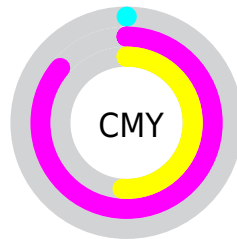


Cyan (0%)

Magenta (86%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 81.130, 5.308 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, 81.130, 5.308 by changing the saturation by 10% instead.

 56, 81.130, 5.308  56, 81.130, 5.308


 100, 81.130, 5.308  46, 81.130, 5.308


 76, 81.130, 5.308  36, 81.130, 5.308

 86, 81.130, 5.308  26, 81.130, 5.308

 96, 81.130, 5.308  16, 81.130, 5.308

 6, 81.130, 5.308

 0, 81.130, 5.308

 56, 81.130, 5.308  56, 81.130, 5.308

 55, 83.986, 10.020  58, 76.244, 1.540

 54, 84.820, 11.902  62, 69.221,

358.578

66, 60.401,
356.240

71, 50.326,
354.359

77, 39.541,
352.810

83, 28.482,
351.502

89, 17.459,
350.368

96, 6.664, 349.334

100, 0.035,
218.827

Harmonies

Complementary

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



56, 81.130, 5.308



89, 74.954, 156.818

Rectangle

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



56, 81.130, 5.308



56, 81.130, 55.308



56, 81.130, 185.308



56, 81.130, 235.308

Sweetspot

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



56, 81.126, 5.310



83, 28.131, 351.463



47, 116.064, 314.607



42, 19.125, 351.891



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, 81.126, 5.310



54, 84.845, 11.903



56, 93.077, 38.543



50, 6.022, 349.661



41, 68.221, 10.904



10, 31.321, 4.000

Inverse Universe

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



56, 81.126, 5.310



54, 84.845, 11.903



86, 44.567, 209.361



50, 6.022, 349.661



41, 68.221, 10.904



10, 31.321, 4.000

Previews

White Background



This preview shows how the CIELCh color 56, 81.130, 5.308 looks on a white background.

Color Contrast Check

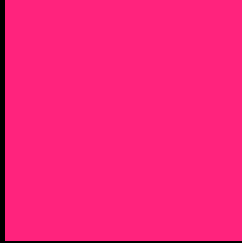
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.130, 5.308 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, 81.130, 5.308

Background



This preview shows how black text looks on a background with the CIELCh color 56, 81.130, 5.308.



This preview shows how white text looks on a background with the CIELCh color 56, 81.130, 5.308.

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, 81.130, 5.308

Protanopia

56, 24.732, 285.237

Deuteranopia

56, 13.698, 58.503



Tritanopia
56, 84.867, 32.844

Trichromacy



Original Color
56, 81.130, 5.308



Protanomaly
51, 43.429, 332.919



Deuteranomaly
53, 41.245, 6.400

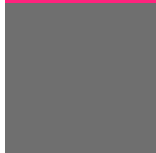


Tritanomaly
56, 81.307, 23.341

Monochromacy



Original Color
56, 81.130, 5.308



Achromatopsia
47, 0.006, 296.813



Achromatomaly
46, 37.080, 354.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 81.130, 5.308 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, 35, 125)` looks like.

```
.text, #text, p{  
    color:rgb(255, 35, 125)  
}
```

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, 35, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 35, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 81.130, 5.308 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, 35, 125) }
```

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

```
.border{ border-color:rgb(255, 35, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 35, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 35, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 35, 125); box-shadow:4px 4px 4px 4px rgb(255, 35, 125) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 81.130, 5.308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 35, 125) }
```

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

```
.background{ background-color: rgb(255, 35,  
125) }
```

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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