

Converting Colors

CIELCh(56, 82.041, 2.431)

Have a look what the booklet for
CIELCh(56, 82.041, 2.431) contains.

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Color

CIELCh(56, 82.013, 2.286)

Conversions

Conversions Part 1

Format	Color
Hex	FF1F84
RGB	255, 31, 132
RGB Percent	100%, 12%, 52%
CMY	0.0000, 0.8782, 0.4823
CMYK	0.00, 0.88, 0.48, 0.00
HSL	333°, 100%, 56%
HSV	333°, 88%, 100%
XYZ	45.9049, 23.9124, 24.0320
YIQ	109.4900, 101.0830, 78.8990

Conversions

Conversions Part 2

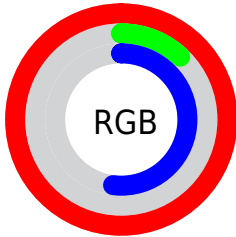
Format	Color
R_{YB}	255, 31, 132
Decimal	16719748
CIE _{Lab}	56.00, 81.95, 3.27
CIE _{LCh}	56, 82.013, 2.286
Yxy	23.9124, 0.4891, 0.2548
Android (android.graphics.Color)	4294909828 (0xFFFF1F84)
YUV	109.4900, 11.0974, 127.6123
Hunter-Lab	48.9003, 81.9901, 5.0923

Details

The CIELCh color **56, 82.013, 2.286** 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, 79.200, 154.057**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 64.790, 348.851**, and **41, 68.248, 8.678** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.079, 6.750**, and if you desaturate by 10%, it is **58, 77.816, 358.706**.

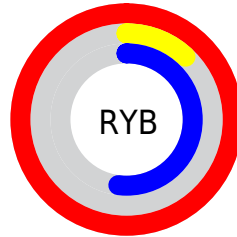
Distribution



Red (100%)

Green (12%)

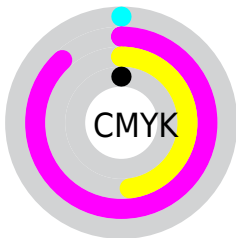
Blue (52%)



Red (100%)

Yellow (12%)

Blue (52%)

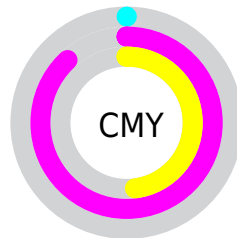


Cyan (0%)

Magenta (88%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 82.013, 2.286 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, 82.013, 2.286 by changing the saturation by 10% instead.

 56, 82.013, 2.286

 56, 82.013, 2.286

 100, 82.013, 2.286

 46, 82.013, 2.286

 76, 82.013, 2.286

 36, 82.013, 2.286

 86, 82.013, 2.286

 26, 82.013, 2.286

 96, 82.013, 2.286

 16, 82.013, 2.286

 6, 82.013, 2.286

 0, 82.013, 2.286

 56, 82.013, 2.286

 56, 82.013, 2.286

 55, 84.079, 6.750

 58, 77.816,
358.706

 55, 84.443, 7.788

62, 71.311,
355.894

66, 62.809,
353.668

71, 52.864,
351.871

76, 42.050,
350.382

82, 30.839,
349.116

88, 19.574,
348.013

95, 8.478, 347.014

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, 82.013, 2.286



89, 79.200, 154.057

Rectangle

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



56, 82.013, 2.286



56, 82.013, 52.286



56, 82.013, 182.286



56, 82.013, 232.286

Sweetspot

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



56, 82.004, 2.283



83, 28.788, 348.905



45, 118.057, 313.232



42, 19.558, 349.312



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, 82.004, 2.283



55, 84.443, 7.788



55, 96.095, 37.662



50, 6.180, 347.180



41, 67.998, 6.859



10, 31.493, 0.518

Inverse Universe

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



56, 82.004, 2.283



55, 84.443, 7.788



89, 47.171, 201.332



50, 6.180, 347.180



41, 67.998, 6.859



10, 31.493, 0.518

Previews

White Background



This preview shows how the CIELCh color 56, 82.013, 2.286 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, 82.013, 2.286 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, 82.013, 2.286

Background



This preview shows how black text looks on a background with the CIELCh color 56, 82.013, 2.286.



This preview shows how white text looks on a background with the CIELCh color 56, 82.013, 2.286.

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, 82.013, 2.286

Protanopia

56, 31.036, 285.438

Deuteranopia

56, 10.239, 46.506



Tritanopia
56, 84.235, 32.488

Trichromacy



Original Color
56, 82.013, 2.286



Protanomaly
51, 47.743, 327.074



Deuteranomaly
52, 41.652, 359.974



Tritanomaly
56, 80.801, 21.813

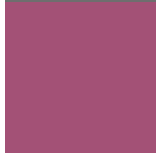
Monochromacy



Original Color
56, 82.013, 2.286



Achromatopsia
46, 0.006, 296.813



Achromatomaly
46, 38.615, 352.017

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 82.013, 2.286 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, 31, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 132)  
}
```

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, 31, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 82.013, 2.286 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, 31, 132) }
```

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

```
.border{ border-color:rgb(255, 31, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 82.013, 2.286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 132) }
```

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

```
.background{ background-color: rgb(255, 31,  
132) }
```

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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