

Converting Colors

CIELCh(60, 87.020, 6.259)

Have a look what the booklet for
CIELCh(60, 87.020, 6.259) contains.

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Color

CIELCh(56, 81.862, 2.344)

Conversions

Conversions Part 1

Format	Color
Hex	FF2084
RGB	255, 32, 132
RGB Percent	100%, 13%, 52%
CMY	0.0006, 0.8755, 0.4828
CMYK	0.00, 0.88, 0.48, 0.00
HSL	333°, 100%, 56%
HSV	333°, 88%, 100%
XYZ	45.8507, 23.9124, 23.9862
YIQ	110.0770, 100.8080, 78.3760

Conversions

Conversions Part 2

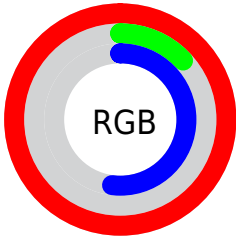
Format	Color
RYB	255, 32, 132
Decimal	16720004
CIELab	56.00, 81.79, 3.35
CIELCh	56, 81.862, 2.344
Yxy	23.9124, 0.4891, 0.2551
Android (android.graphics.Color)	4294910084 (0xFFFF2084)
YUV	110.0770, 10.8080, 127.0975
Hunter-Lab	48.9003, 81.7926, 5.1478

Details

The CIELCh color **56, 81.862, 2.344** 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, 78.845, 154.231**, 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, 83.998, 6.809**, and if you desaturate by 10%, it is **58, 77.592, 358.776**.

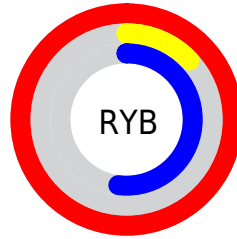
Distribution



Red (100%)

Green (13%)

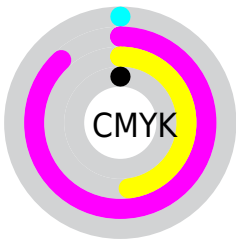
Blue (52%)



Red (100%)

Yellow (13%)

Blue (52%)

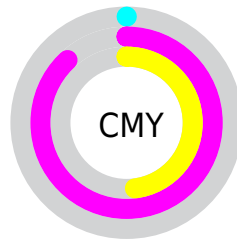


Cyan (0%)

Magenta (88%)

Yellow (48%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 81.862, 2.344 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, 81.862, 2.344 by changing the saturation by 10% instead.

 56, 81.862, 2.344

 56, 81.862, 2.344

 100, 81.862, 2.344

 46, 81.862, 2.344

 76, 81.862, 2.344

 36, 81.862, 2.344

 86, 81.862, 2.344

 26, 81.862, 2.344

 96, 81.862, 2.344

 16, 81.862, 2.344

 6, 81.862, 2.344

 0, 81.862, 2.344

 56, 81.862, 2.344

 56, 81.862, 2.344

 55, 83.998, 6.809

 58, 77.592,
358.776

 55, 84.413, 7.983

62, 71.020,
355.970

66, 62.471,
353.749

71, 52.502,
351.954

76, 41.682,
350.468

82, 30.479,
349.204

89, 19.233,
348.102

95, 8.162, 347.102

100, 0.052,
212.220

Harmonies

Complementary

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



56, 81.862, 2.344



89, 78.845, 154.231

Rectangle

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



56, 81.862, 2.344



56, 81.862, 52.344



56, 81.862, 182.344



56, 81.862, 232.344

Sweetspot

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



56, 81.858, 2.345



83, 28.755, 349.025



46, 117.496, 313.672



42, 19.537, 349.433



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, 81.858, 2.345



55, 84.451, 7.985



55, 95.321, 37.956



50, 6.172, 347.296



41, 68.000, 7.052



10, 31.482, 0.683

Inverse Universe

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



56, 81.858, 2.345



55, 84.451, 7.985



88, 46.218, 203.936



50, 6.172, 347.296



41, 68.000, 7.052



10, 31.482, 0.683

Previews

White Background



This preview shows how the CIELCh color 56, 81.862, 2.344 looks on a white background.

Color Contrast Check

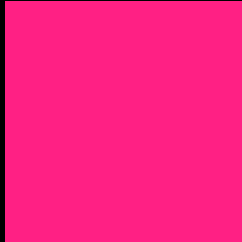
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.862, 2.344 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, 81.862, 2.344

Background



This preview shows how black text looks on a background with the CIELCh color 56, 81.862, 2.344.



This preview shows how white text looks on a background with the CIELCh color 56, 81.862, 2.344.

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, 81.862, 2.344

Protanopia

56, 30.478, 285.193

Deuteranopia

56, 10.239, 46.506



Tritanopia
56, 84.052, 32.656

Trichromacy



Original Color
56, 81.862, 2.344



Protanomaly
51, 47.304, 327.478



Deuteranomaly
52, 41.652, 359.974



Tritanomaly
56, 80.619, 21.946

Monochromacy



Original Color
56, 81.862, 2.344



Achromatopsia
46, 0.006, 296.813



Achromatomaly
46, 38.052, 352.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 81.862, 2.344 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, 32, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 32, 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, 32, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 32, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 81.862, 2.344 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, 32, 132) }
```

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

```
.border{ border-color:rgb(255, 32, 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, 32, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 32, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 32, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 32,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 81.862, 2.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 32, 132) }
```

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

```
.background{ background-color: rgb(255, 32,  
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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