

Converting Colors

CIELCh(56, 91.402, 346.084)

Have a look what the booklet for
CIELCh(56, 91.402, 346.084)
contains.

CIELCh(56, 90.944, 345.951)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 90.944, 345.951)

Conversions

Conversions Part 1

Format	Color
Hex	FD00AF
RGB	253, 0, 175
RGB Percent	99%, 0%, 69%
CMY	0.0087, 1.0000, 0.3144
CMYK	0.00, 1.00, 0.31, 0.01
HSL	319°, 100%, 50%
HSV	319°, 100%, 99%
XYZ	48.1435, 23.9124, 42.5445
YIQ	95.5970, 94.6130, 108.0610

Conversions

Conversions Part 2

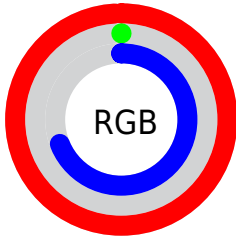
Format	Color
R_{YB}	253, 0, 175
Decimal	16580783
CIE _{Lab}	56.00, 88.22, -22.08
CIE _{LCh}	56, 90.944, 345.951
Yxy	23.9124, 0.4201, 0.2087
Android (android.graphics.Color)	4294770863 (0xFFFD00AF)
YUV	95.5970, 39.1457, 138.0424
Hunter-Lab	48.9003, 90.1617, -17.3536

Details

The CIELCh color **56, 90.944, 345.951** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **87, 105.716, 140.996**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 81.881, 332.879**, and **42, 71.628, 349.713** is the 20% darker color. If you saturate the color by 10%, you get **56, 90.881, 345.961**, and if you desaturate by 10%, it is **57, 90.464, 343.936**.

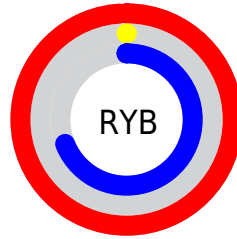
Distribution



Red (99%)

Green (0%)

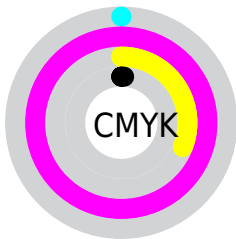
Blue (69%)



Red (99%)

Yellow (0%)

Blue (69%)

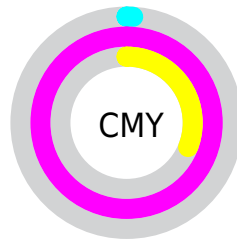


Cyan (0%)

Magenta (100%)

Yellow (31%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 90.944, 345.951 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, 90.944, 345.951 by changing the saturation by 10% instead.


 56, 90.944,
345.951


 56, 90.944,
345.951


 100, 90.944,
345.951


 46, 90.944,
345.951


 76, 90.944,
345.951

 36, 90.944,
345.951

 86, 90.944,
345.951

 26, 90.944,
345.951

 96, 90.944,
345.951

 16, 90.944,
345.951

 6, 90.944, 345.951

 0, 90.944, 345.951

■ 56, 90.944,
345.951

■ 56, 90.944,
345.951

■ 56, 90.881,
345.961

■ 57, 90.464,
343.936

■ 59, 87.496,
342.252

■ 62, 81.631,
340.858

■ 65, 73.201,
339.673

■ 70, 62.793,
338.635

■ 75, 51.045,
337.702

■ 81, 38.519,
336.846

■ 87, 25.651,

336.049

93, 12.748,
335.293

Harmonies

Complementary

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



56, 90.944, 345.951



87, 105.716, 140.996

Rectangle

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



56, 90.944, 345.951



56, 90.944, 35.951



56, 90.944, 165.951



56, 90.944, 215.951

Sweetspot

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



56, 90.881, 345.961



81, 38.791, 336.847



35, 129.299, 308.155



41, 26.424, 337.200



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, 90.881, 345.961



56, 91.473, 345.971



53, 93.268, 30.592



50, 7.296, 335.256



42, 73.922, 345.567



11, 34.838, 342.870

Inverse Universe

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



56, 90.881, 345.961



56, 91.473, 345.971



89, 62.069, 170.455



50, 7.296, 335.256



42, 73.922, 345.567



11, 34.838, 342.870

Previews

White Background



This preview shows how the CIELCh color 56, 90.944, 345.951 looks on a white background.

Color Contrast Check

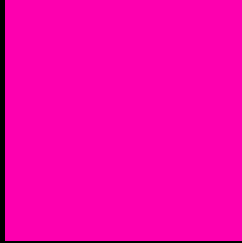
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.944, 345.951 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, 90.944, 345.951

Background



This preview shows how black text looks on a background with the CIELCh color 56, 90.944, 345.951.



This preview shows how white text looks on a background with the CIELCh color 56, 90.944, 345.951.

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, 90.944, 345.951

Protanopia

57, 66.841, 286.987

Deuteranopia

57, 17.196, 294.574



Tritanopia
56, 77.143, 30.252

Trichromacy



Original Color
56, 90.944, 345.951



Protanomaly
48, 80.683, 309.539



Deuteranomaly
50, 55.849, 330.900



Tritanomaly
55, 77.758, 11.384

Monochromacy



Original Color
56, 90.944, 345.951



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 49.208, 339.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 90.944, 345.951 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(253, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 175)  
}
```

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(253, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 90.944, 345.951 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(253, 0, 175) }
```

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

```
.border{ border-color:rgb(253, 0, 175) }
```

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

Here you see how a box with a 4 pixel rgb(253, 0, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(253, 0,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 90.944, 345.951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 175) }
```

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

```
.background{ background-color: rgb(253, 0,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor