

Converting Colors

CIELCh(51, 130.303, 356.191)

Have a look what the booklet for
CIELCh(51, 130.303, 356.191)
contains.

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Color

CIELCh(55, 85.601, 357.878)

Conversions

Conversions Part 1

Format	Color
Hex	FE008C
RGB	254, 0, 140
RGB Percent	100%, 0%, 55%
CMY	0.0033, 1.0000, 0.4497
CMYK	0.00, 1.00, 0.45, 0.00
HSL	327°, 100%, 50%
HSV	327°, 100%, 100%
XYZ	45.6540, 22.9298, 26.9567
YIQ	91.9060, 106.4440, 97.3880

Conversions

Conversions Part 2

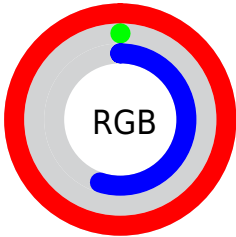
Format	Color
R_{YB}	254, 0, 140
Decimal	16646284
CIE _{Lab}	55.00, 85.54, -3.17
CIE _{LCh}	55, 85.601, 357.878
Yxy	22.9298, 0.4778, 0.2400
Android (android.graphics.Color)	4294836364 (0xFFFE008C)
YUV	91.9060, 23.7103, 142.1564
Hunter-Lab	47.8851, 86.3843, 0.1426

Details

The CIELCh color **55, 85.601, 357.878** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark saturated rose. A complement of this color would be **88, 94.507, 146.198**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 70.463, 344.740**, and **41, 67.968, 4.875** is the 20% darker color. If you saturate the color by 10%, you get **55, 85.369, 357.949**, and if you desaturate by 10%, it is **56, 84.566, 354.425**.

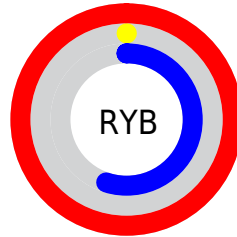
Distribution



Red (100%)

Green (0%)

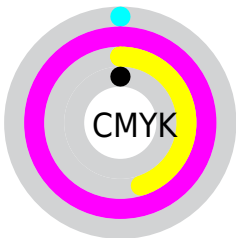
Blue (55%)



Red (100%)

Yellow (0%)

Blue (55%)

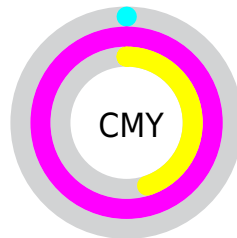


Cyan (0%)

Magenta (100%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 85.601, 357.878 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 55, 85.601, 357.878 by changing the saturation by 10% instead.


 55, 85.601,
357.878


 55, 85.601,
357.878


 100, 85.601,
357.878


 45, 85.601,
357.878


 75, 85.601,
357.878

 35, 85.601,
357.878

 85, 85.601,
357.878

 25, 85.601,
357.878

 95, 85.601,
357.878

 15, 85.601,
357.878

 5, 85.601, 357.878

 0, 85.601, 357.878

■ 55, 85.601,
357.878

■ 55, 85.601,
357.878

■ 55, 85.369,
357.949

■ 56, 84.566,
354.425

■ 58, 81.515,
351.568

■ 61, 75.812,
349.303

■ 65, 67.757,
347.481

■ 70, 57.920,
345.979

■ 75, 46.917,
344.706

■ 81, 35.284,
343.599

■ 87, 23.422,

342.613

93, 11.606,
341.711

Harmonies

Complementary

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



55, 85.601, 357.878



88, 94.507, 146.198

Rectangle

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



55, 85.601, 357.878



55, 85.601, 47.878



55, 85.601, 177.878



55, 85.601, 227.878

Sweetspot

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



55, 85.369, 357.949



81, 35.378, 343.599



39, 126.546, 310.275



41, 24.133, 344.049



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 85.369, 357.949



55, 85.579, 357.956



53, 101.675, 38.083



50, 6.613, 341.668



41, 69.092, 357.242



11, 32.455, 352.467

Inverse Universe

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



55, 85.369, 357.949



55, 85.579, 357.956



90, 53.052, 186.507



50, 6.613, 341.668



41, 69.092, 357.242



11, 32.455, 352.467

Previews

White Background



This preview shows how the CIE LCh color 55, 85.601, 357.878 looks on a white background.

Color Contrast Check

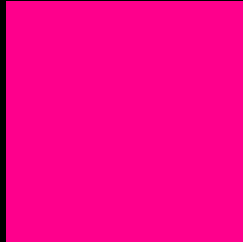
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 85.601, 357.878 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 55, 85.601, 357.878

Background



This preview shows how black text looks on a background with the CIELCh color 55, 85.601, 357.878.

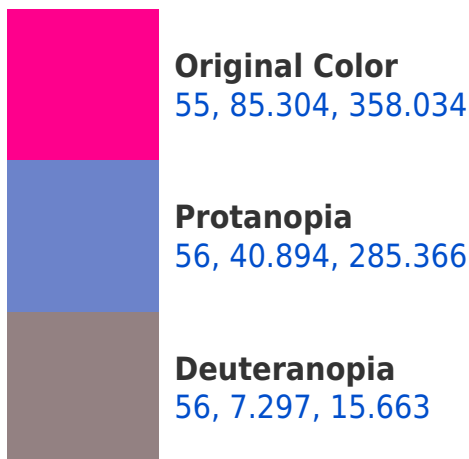


This preview shows how white text looks on a background with the CIELCh color 55, 85.601, 357.878.

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, 84.993, 33.058

Trichromacy



Original Color
55, 85.304, 358.034



Protanomaly
48, 60.851, 321.157



Deuteranomaly
50, 48.407, 349.884



Tritanomaly
55, 82.584, 20.071

Monochromacy



Original Color
55, 85.304, 358.034



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 45.270, 347.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 85.601, 357.878 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(254, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 140)  
}
```

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(254, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 85.601, 357.878 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(254, 0, 140) }
```

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

```
.border{ border-color:rgb(254, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(254, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(254, 0,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 85.601, 357.878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 140) }
```

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

```
.background{ background-color: rgb(254, 0,  
140) }
```

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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