

Converting Colors

CIELCh(55, 86.049, 356.379)

Have a look what the booklet for
CIELCh(55, 86.049, 356.379)
contains.

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Color

CIELCh(55, 85.732, 356.569)

Conversions

Conversions Part 1

Format	Color
Hex	FD0090
RGB	253, 0, 144
RGB Percent	99%, 0%, 56%
CMY	0.0059, 1.0000, 0.4369
CMYK	0.00, 1.00, 0.43, 0.01
HSL	326°, 100%, 50%
HSV	326°, 100%, 99%
XYZ	45.6666, 22.9298, 28.2394
YIQ	92.0630, 104.5640, 98.4200

Conversions

Conversions Part 2

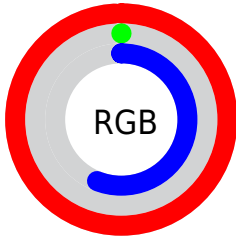
Format	Color
RYB	253, 0, 144
Decimal	16580752
CIELab	55.00, 85.58, -5.13
CIELCh	55, 85.732, 356.569
Yxy	22.9298, 0.4716, 0.2368
Android (android.graphics.Color)	4294770832 (0xFFFD0090)
YUV	92.0630, 25.6049, 141.1417
Hunter-Lab	47.8851, 86.4313, -1.4457

Details

The CIELCh color **55, 85.732, 356.569** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **88, 95.594, 145.576**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 71.798, 342.909**, and **41, 67.864, 2.594** is the 20% darker color. If you saturate the color by 10%, you get **55, 85.589, 356.610**, and if you desaturate by 10%, it is **56, 84.875, 353.249**.

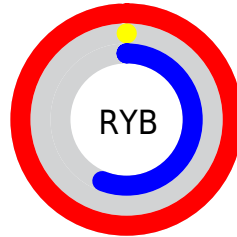
Distribution



Red (99%)

Green (0%)

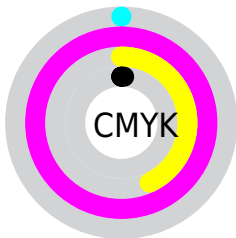
Blue (56%)



Red (99%)

Yellow (0%)

Blue (56%)

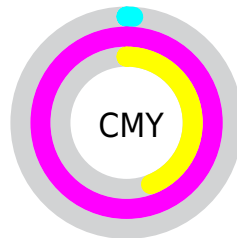


Cyan (0%)

Magenta (100%)

Yellow (43%)

Black (1%)



Cyan (1%)


Magenta (100%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 85.732, 356.569 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, 85.732, 356.569 by changing the saturation by 10% instead.


 55, 85.732,
356.569


 55, 85.732,
356.569


 100, 85.732,
356.569


 45, 85.732,
356.569


 75, 85.732,
356.569

 35, 85.732,
356.569

 85, 85.732,
356.569

 25, 85.732,
356.569

 95, 85.732,
356.569

 15, 85.732,
356.569

 5, 85.732, 356.569

 0, 85.732, 356.569

■ 55, 85.732,
356.569

■ 55, 85.732,
356.569

■ 55, 85.589,
356.610

■ 56, 84.875,
353.249

■ 58, 81.874,
350.523

■ 61, 76.191,
348.355

■ 65, 68.132,
346.605

■ 70, 58.270,
345.156

■ 75, 47.223,
343.921

■ 81, 35.530,
342.841

■ 87, 23.595,

341.876

93, 11.696,
340.991

Harmonies

Complementary

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



55, 85.732, 356.569



88, 95.594, 145.576

Rectangle

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



55, 85.732, 356.569



55, 85.732, 46.569



55, 85.732, 176.569



55, 85.732, 226.569

Sweetspot

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



55, 85.589, 356.610



81, 35.701, 342.842



39, 126.288, 310.276



41, 24.349, 343.281



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, 85.589, 356.610



55, 85.971, 356.623



53, 101.464, 38.078



50, 6.679, 340.948



42, 69.424, 355.942



11, 32.648, 351.393

Inverse Universe

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



55, 85.589, 356.610



55, 85.971, 356.623



90, 52.945, 186.508



50, 6.679, 340.948



42, 69.424, 355.942



11, 32.648, 351.393

Previews

White Background



This preview shows how the CIELCh color 55, 85.732, 356.569 looks on a white background.

Color Contrast Check

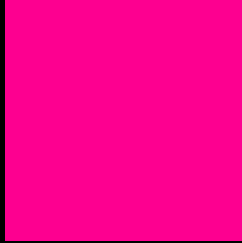
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.732, 356.569 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, 85.732, 356.569

Background



This preview shows how black text looks on a background with the CIELCh color 55, 85.732, 356.569.



This preview shows how white text looks on a background with the CIELCh color 55, 85.732, 356.569.

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

55, 85.544, 356.355

Protanopia

56, 43.172, 285.532

Deuteranopia

56, 7.188, 1.635



Tritanopia
55, 84.180, 32.868

Trichromacy



Original Color
55, 85.544, 356.355



Protanomaly
48, 62.205, 320.121



Deuteranomaly
50, 48.859, 347.729



Tritanomaly
55, 81.962, 19.165

Monochromacy



Original Color
55, 85.544, 356.355



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 45.536, 346.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 85.732, 356.569 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(253, 0, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 85.732, 356.569 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, 144) }
```

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

```
.border{ border-color:rgb(253, 0, 144) }
```

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, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 0, 144);  
box-shadow:4px 4px 4px 4px rgb(253, 0,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 85.732, 356.569 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, 144) }
```

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

```
.background{ background-color: rgb(253, 0,  
144) }
```

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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