

Converting Colors

CIELCh(55, 84.271, 9.819)

Have a look what the booklet for
CIELCh(55, 84.271, 9.819) contains.

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Color

CIELCh(55, 83.873, 9.642)

Conversions

Conversions Part 1

Format	Color
Hex	FF0E70
RGB	255, 14, 112
RGB Percent	100%, 5%, 44%
CMY	0.0000, 0.9433, 0.5619
CMYK	0.00, 0.94, 0.56, 0.00
HSL	336°, 100%, 53%
HSV	336°, 94%, 100%
XYZ	44.6630, 22.9298, 17.3199
YIQ	97.2310, 112.1780, 81.5700

Conversions

Conversions Part 2

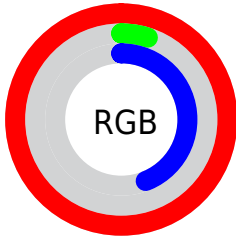
Format	Color
RYB	255, 14, 112
Decimal	16715376
CIELab	55.00, 82.69, 14.05
CIElCh	55, 83.873, 9.642
Yxy	22.9298, 0.5260, 0.2700
Android (android.graphics.Color)	4294905456 (0xFFFF0E70)
YUV	97.2310, 7.2811, 138.3634
Hunter-Lab	47.8851, 82.6901, 12.0745

Details

The CIELCh color **55, 83.873, 9.642** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **89, 78.443, 155.319**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 63.622, 357.803**, and **40, 69.401, 17.532** is the 20% darker color. If you saturate the color by 10%, you get **54, 84.928, 12.392**, and if you desaturate by 10%, it is **56, 80.320, 4.914**.

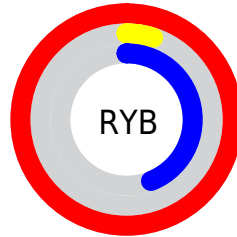
Distribution



Red (100%)

Green (5%)

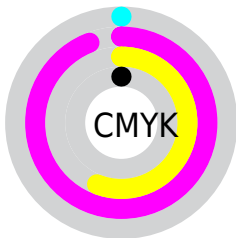
Blue (44%)



Red (100%)

Yellow (5%)

Blue (44%)

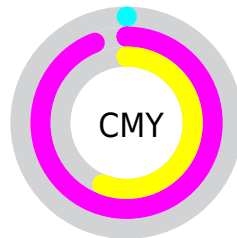


Cyan (0%)

Magenta (94%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (94%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 83.873, 9.642 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, 83.873, 9.642 by changing the saturation by 10% instead.

 55, 83.873, 9.642  55, 83.873, 9.642

 100, 83.873, 9.642  45, 83.873, 9.642

 75, 83.873, 9.642  35, 83.873, 9.642

 85, 83.873, 9.642  25, 83.873, 9.642

 95, 83.873, 9.642  15, 83.873, 9.642

 5, 83.873, 9.642

 0, 83.873, 9.642

 55, 83.873, 9.642  55, 83.873, 9.642

 54, 84.928, 12.392  56, 80.320, 4.914

 59, 74.958, 1.285

63, 67.513,
358.434

67, 58.385,
356.178

72, 48.128,
354.358

78, 37.266,
352.853

84, 26.211,
351.576

91, 15.243,
350.464

97, 4.536, 349.417

Harmonies

Complementary

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



55, 83.873, 9.642



89, 78.443, 155.319

Rectangle

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



55, 83.873, 9.642



55, 83.873, 59.642



55, 83.873, 189.642



55, 83.873, 239.642

Sweetspot

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



55, 83.610, 9.473



82, 30.270, 352.022



45, 120.653, 314.166



41, 20.962, 352.579



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, 83.610, 9.473



54, 84.928, 12.392



55, 100.009, 40.005



50, 6.004, 349.966



41, 68.275, 11.386



10, 31.309, 4.420

Inverse Universe

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



55, 83.610, 9.473



54, 84.928, 12.392



85, 45.089, 210.397



50, 6.004, 349.966



41, 68.275, 11.386



10, 31.309, 4.420

Previews

White Background



This preview shows how the CIELCh color 55, 83.873, 9.642 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, 83.873, 9.642 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, 83.873, 9.642

Background



This preview shows how black text looks on a background with the CIELCh color 55, 83.873, 9.642.



This preview shows how white text looks on a background with the CIELCh color 55, 83.873, 9.642.

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, 83.635, 9.348

Protanopia

55, 17.874, 285.480

Deuteranopia

55, 19.454, 69.253



Tritanopia
55, 90.487, 35.154

Trichromacy



Original Color
55, 83.635, 9.348



Protanomaly
49, 43.753, 339.736



Deuteranomaly
50, 45.077, 12.755



Tritanomaly
55, 86.405, 26.664

Monochromacy



Original Color
55, 83.635, 9.348



Achromatopsia
41, 0.006, 296.813



Achromatomaly
41, 40.234, 356.382

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 83.873, 9.642 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, 14, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 14, 112)  
}
```

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, 14, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 14, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 83.873, 9.642 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, 14, 112) }
```

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

```
.border{ border-color:rgb(255, 14, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 14, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 14, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 14, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 14,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 83.873, 9.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 14, 112) }
```

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

```
.background{ background-color: rgb(255, 14,  
112) }
```

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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