

Converting Colors

CIELCh(55, 84.291, 2.078)

Have a look what the booklet for
CIELCh(55, 84.291, 2.078) contains.

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Color

CIELCh(55, 84.364, 2.132)

Conversions

Conversions Part 1

Format	Color
Hex	FF0582
RGB	255, 5, 130
RGB Percent	100%, 2%, 51%
CMY	0.0009, 0.9801, 0.4909
CMYK	0.00, 0.98, 0.49, 0.00
HSL	330°, 100%, 51%
HSV	330°, 98%, 100%
XYZ	45.2228, 22.9298, 23.0952
YIQ	94.0000, 108.8750, 91.8750

Conversions

Conversions Part 2

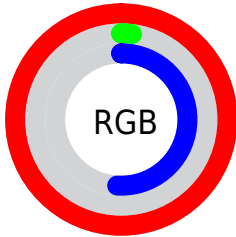
Format	Color
R_{YB}	255, 5, 130
Decimal	16713090
CIE _{Lab}	55.00, 84.31, 3.14
CIE _{LCh}	55, 84.364, 2.132
Yxy	22.9298, 0.4956, 0.2513
Android (android.graphics.Color)	4294903170 (0xFFFF0582)
YUV	94.0000, 17.7480, 141.1970
Hunter-Lab	47.8851, 84.7770, 4.9238

Details

The CIELCh color **55, 84.364, 2.132** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **88, 88.822, 149.122**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 67.603, 348.775**, and **41, 68.029, 9.458** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.564, 2.981**, and if you desaturate by 10%, it is **56, 82.849, 358.147**.

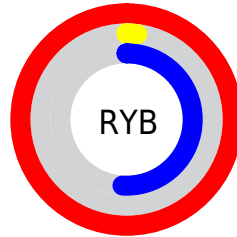
Distribution



Red (100%)

Green (2%)

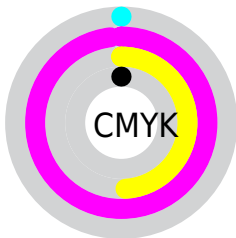
Blue (51%)



Red (100%)

Yellow (2%)

Blue (51%)

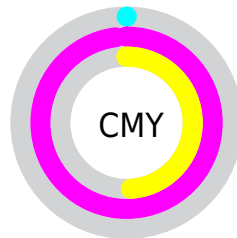


Cyan (0%)

Magenta (98%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (98%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.364, 2.132 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, 84.364, 2.132 by changing the saturation by 10% instead.

 55, 84.364, 2.132

 55, 84.364, 2.132

 100, 84.364, 2.132

 45, 84.364, 2.132

 75, 84.364, 2.132

 35, 84.364, 2.132

 85, 84.364, 2.132

 25, 84.364, 2.132

 95, 84.364, 2.132

 15, 84.364, 2.132

 5, 84.364, 2.132

 0, 84.364, 2.132

 55, 84.364, 2.132

 55, 84.364, 2.132

 55, 84.564, 2.981

 56, 82.849,
358.147

■ 58, 79.039,
354.966

■ 62, 72.745,
352.459

■ 66, 64.315,
350.459

■ 71, 54.325,
348.826

■ 76, 43.366,
347.457

■ 82, 31.934,
346.279

■ 88, 20.388,
345.240

■ 95, 8.967, 344.291

Harmonies

Complementary

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



55, 84.364, 2.132



88, 88.822, 149.122

Rectangle

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



55, 84.364, 2.132



55, 84.364, 52.132



55, 84.364, 182.132



55, 84.364, 232.132

Sweetspot

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



55, 84.360, 2.133



82, 33.100, 346.388



41, 124.118, 311.810



41, 22.734, 346.878



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, 84.360, 2.133



55, 84.624, 2.984



53, 103.481, 39.595



50, 6.381, 344.431



41, 68.242, 2.153



10, 31.865, 356.546

Inverse Universe

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



55, 84.360, 2.133



55, 84.624, 2.984



91, 49.978, 196.392



50, 6.381, 344.431



41, 68.242, 2.153



10, 31.865, 356.546

Previews

White Background



This preview shows how the CIELCh color 55, 84.364, 2.132 looks on a white background.

Color Contrast Check

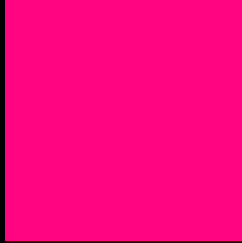
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.364, 2.132 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, 84.364, 2.132

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.364, 2.132.

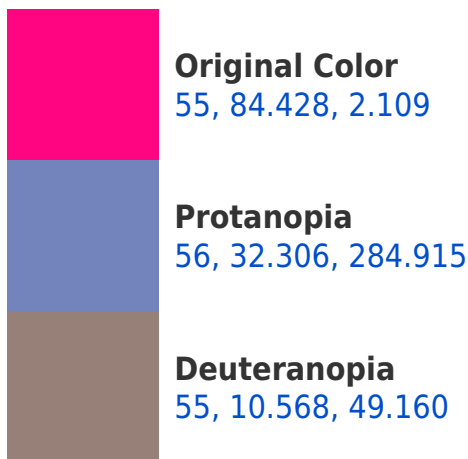


This preview shows how white text looks on a background with the CIELCh color 55, 84.364, 2.132.

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
55, 87.352, 33.984

Trichromacy



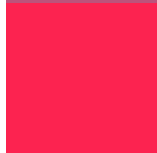
Original Color
55, 84.428, 2.109



Protanomaly
49, 53.772, 326.949



Deuteranomaly
50, 46.448, 357.936

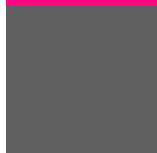


Tritanomaly
55, 83.873, 22.625

Monochromacy



Original Color
55, 84.428, 2.109



Achromatopsia
40, 0.006, 296.813



Achromatomaly
40, 43.232, 350.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.364, 2.132 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, 5, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 130)  
}
```

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, 5, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.364, 2.132 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, 5, 130) }
```

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

```
.border{ border-color:rgb(255, 5, 130) }
```

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

Here you see how a box with a 4 pixel rgb(255, 5, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 5,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.364, 2.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 5, 130) }
```

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

```
.background{ background-color: rgb(255, 5,  
130) }
```

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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