

Converting Colors

CIE LCh(55, 84.751, 1.977)

Have a look what the booklet for
CIELCh(55, 84.751, 1.977) contains.

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Color

CIELCh(55, 84.685, 2.015)

Conversions

Conversions Part 1

Format	Color
Hex	FF0282
RGB	255, 2, 130
RGB Percent	100%, 1%, 51%
CMY	0.0000, 0.9939, 0.4898
CMYK	0.00, 0.99, 0.49, 0.00
HSL	330°, 100%, 50%
HSV	330°, 99%, 100%
XYZ	45.3366, 22.9298, 23.1888
YIQ	92.2390, 109.7000, 93.4440

Conversions

Conversions Part 2

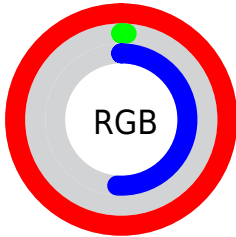
Format	Color
R_{YB}	255, 2, 130
Decimal	16712322
CIE _{Lab}	55.00, 84.63, 2.98
CIE _{LCh}	55, 84.685, 2.015
Yxy	22.9298, 0.4957, 0.2507
Android (android.graphics.Color)	4294902402 (0xFFFF0282)
YUV	92.2390, 18.6162, 142.7414
Hunter-Lab	47.8851, 85.2010, 4.8079

Details

The CIELCh color **55, 84.685, 2.015** 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, 90.302, 148.433**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 68.057, 348.653**, and **41, 68.029, 9.458** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.714, 2.248**, and if you desaturate by 10%, it is **56, 83.409, 357.999**.

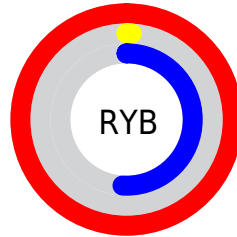
Distribution



Red (100%)

Green (1%)

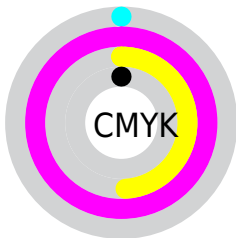
Blue (51%)



Red (100%)

Yellow (1%)

Blue (51%)

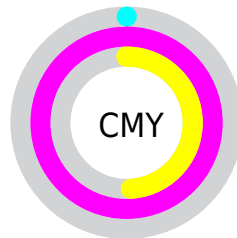


Cyan (0%)

Magenta (99%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (99%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.685, 2.015 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, 84.685, 2.015 by changing the saturation by 10% instead.

 55, 84.685, 2.015

 55, 84.685, 2.015

 100, 84.685, 2.015

 45, 84.685, 2.015

 75, 84.685, 2.015

 35, 84.685, 2.015

 85, 84.685, 2.015

 25, 84.685, 2.015

 95, 84.685, 2.015

 15, 84.685, 2.015


 5, 84.685, 2.015

 0, 84.685, 2.015

 55, 84.685, 2.015

 55, 84.685, 2.015

 55, 84.714, 2.248

 56, 83.409,
357.999

■ 58, 79.986,
354.779

■ 61, 74.038,
352.241

■ 65, 65.866,
350.218

■ 70, 56.032,
348.569

■ 75, 45.138,
347.189

■ 81, 33.699,
346.002

■ 87, 22.096,
344.958

■ 94, 10.587,
344.010

Harmonies

Complementary

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



55, 84.685, 2.015



88, 90.302, 148.433

Rectangle

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



55, 84.685, 2.015



55, 84.685, 52.015



55, 84.685, 182.015



55, 84.685, 232.015

Sweetspot

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



55, 84.654, 1.992



81, 34.409, 346.070



40, 125.239, 311.342



40, 23.487, 346.555



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, 84.654, 1.992



55, 84.714, 2.248



53, 103.613, 39.422



50, 6.413, 344.021



41, 68.328, 1.433



10, 31.938, 355.945

Inverse Universe

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



55, 84.654, 1.992



55, 84.714, 2.248



91, 50.723, 193.827



50, 6.413, 344.021



41, 68.328, 1.433



10, 31.938, 355.945

Previews

White Background



This preview shows how the CIELCh color 55, 84.685, 2.015 looks on a white background.

Color Contrast Check

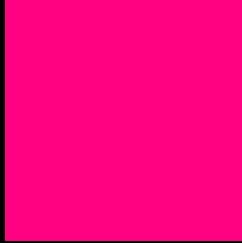
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.685, 2.015 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, 84.685, 2.015

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.685, 2.015.



This preview shows how white text looks on a background with the CIELCh color 55, 84.685, 2.015.

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, 84.621, 2.038

Protanopia

56, 32.865, 285.162

Deuteranopia

55, 10.945, 48.102



Tritanopia
55, 87.352, 33.984

Trichromacy



Original Color
55, 84.621, 2.038



Protanomaly
49, 54.807, 326.629



Deuteranomaly
50, 47.261, 357.941



Tritanomaly
54, 84.005, 22.532

Monochromacy



Original Color
55, 84.621, 2.038



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 44.278, 349.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.685, 2.015 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, 2, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 2, 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, 2, 130) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 55, 84.685, 2.015 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, 2, 130) }
```

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

```
.border{ border-color:rgb(255, 2, 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, 2, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 2, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 2, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 2,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.685, 2.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 2, 130) }
```

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

```
.background{ background-color: rgb(255, 2,  
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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