

Converting Colors

CIELCh(55, 84.655, 2.711)

Have a look what the booklet for
CIELCh(55, 84.655, 2.711) contains.

CIELCh(55, 84.522, 2.801)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(55, 84.522, 2.801)

Conversions

Conversions Part 1

Format	Color
Hex	FF0380
RGB	255, 3, 128
RGB Percent	100%, 1%, 50%
CMY	0.0000, 0.9882, 0.4973
CMYK	0.00, 0.99, 0.50, 0.00
HSL	330°, 100%, 51%
HSV	330°, 99%, 100%
XYZ	45.2630, 22.9298, 22.5238
YIQ	92.5980, 110.0670, 92.2990

Conversions

Conversions Part 2

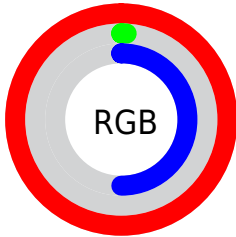
Format	Color
RYB	255, 3, 128
Decimal	16712576
CIELab	55.00, 84.42, 4.13
CIElCh	55, 84.522, 2.801
Yxy	22.9298, 0.4989, 0.2528
Android (android.graphics.Color)	4294902656 (0xFFFF0380)
YUV	92.5980, 17.4532, 142.4266
Hunter-Lab	47.8851, 84.9265, 5.6312

Details

The CIELCh color **55, 84.522, 2.801** 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 **89, 89.043, 149.081**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 67.410, 349.891**, and **41, 68.113, 10.479** is the 20% darker color. If you saturate the color by 10%, you get **55, 84.594, 3.263**, and if you desaturate by 10%, it is **56, 83.047, 358.686**.

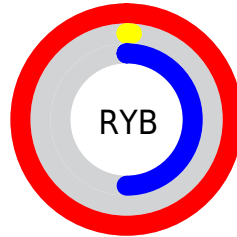
Distribution



Red (100%)

Green (1%)

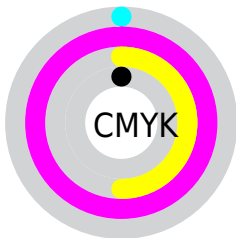
Blue (50%)



Red (100%)

Yellow (1%)

Blue (50%)

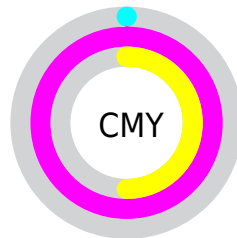


Cyan (0%)

Magenta (99%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (99%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 84.522, 2.801 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, 84.522, 2.801 by changing the saturation by 10% instead.

 55, 84.522, 2.801  55, 84.522, 2.801

 100, 84.522, 2.801  45, 84.522, 2.801

 75, 84.522, 2.801  35, 84.522, 2.801



 85, 84.522, 2.801  25, 84.522, 2.801

 95, 84.522, 2.801  15, 84.522, 2.801

 5, 84.522, 2.801

 0, 84.522, 2.801

 55, 84.522, 2.801  55, 84.522, 2.801

 55, 84.594, 3.263  56, 83.047,
358.686

■ 58, 79.421,
355.418

■ 61, 73.310,
352.843

■ 65, 65.027,
350.793

■ 70, 55.138,
349.124

■ 76, 44.241,
347.729

■ 82, 32.837,
346.532

■ 88, 21.299,
345.479

■ 94, 9.873, 344.523

Harmonies

Complementary

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



55, 84.522, 2.801



89, 89.043, 149.081

Rectangle

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



55, 84.522, 2.801



55, 84.522, 52.801



55, 84.522, 182.801



55, 84.522, 232.801

Sweetspot

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



55, 84.466, 2.757



81, 34.195, 346.665



41, 124.549, 311.753



40, 23.345, 347.157



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, 84.466, 2.757



55, 84.594, 3.263



53, 103.965, 39.758



50, 6.369, 344.587



41, 68.213, 2.426



10, 31.838, 356.775

Inverse Universe

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



55, 84.466, 2.757



55, 84.594, 3.263



91, 50.055, 196.390



50, 6.369, 344.587



41, 68.213, 2.426



10, 31.838, 356.775

Previews

White Background



This preview shows how the CIELCh color 55, 84.522, 2.801 looks on a white background.

Color Contrast Check

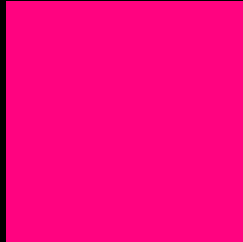
Large Text (above 18pt) WCAG AA ✓ Pass

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, 84.522, 2.801 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, 84.522, 2.801

Background



This preview shows how black text looks on a background with the CIELCh color 55, 84.522, 2.801.



This preview shows how white text looks on a background with the CIELCh color 55, 84.522, 2.801.

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, 84.459, 2.825

Protanopia

56, 31.152, 284.951

Deuteranopia

55, 11.254, 50.553



Tritanopia
55, 87.777, 34.130

Trichromacy



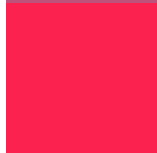
Original Color
55, 84.459, 2.825



Protanomaly
49, 53.630, 328.060



Deuteranomaly
50, 46.638, 358.926

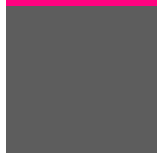


Tritanomaly
54, 84.184, 22.903

Monochromacy



Original Color
55, 84.459, 2.825



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 44.040, 350.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 84.522, 2.801 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, 3, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 128)  
}
```

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, 3, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 84.522, 2.801 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, 3, 128) }
```

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

```
.border{ border-color:rgb(255, 3, 128) }
```

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

Here you see how a box with a 4 pixel rgb(255, 3, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 3,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 84.522, 2.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 128) }
```

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

```
.background{ background-color: rgb(255, 3,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor