

Converting Colors

CIELCh(54, 87.816, 21.386)

Have a look what the booklet for
CIELCh(54, 87.816, 21.386) contains.

CIELCh(54, 87.577, 21.167)	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(54, 87.577, 21.167)

Conversions

Conversions Part 1

Format	Color
Hex	FF0350
RGB	255, 3, 80
RGB Percent	100%, 1%, 31%
CMY	0.0000, 0.9870, 0.6854
CMYK	0.00, 0.99, 0.69, 0.00
HSL	342°, 100%, 51%
HSV	342°, 99%, 100%
XYZ	42.8508, 21.9746, 9.6165
YIQ	87.1260, 125.4750, 77.3710

Conversions

Conversions Part 2

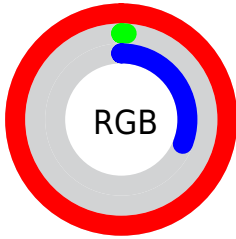
Format	Color
RYB	255, 3, 80
Decimal	16712528
CIELab	54.00, 81.67, 31.62
CIElCh	54, 87.577, 21.167
Yxy	21.9746, 0.5756, 0.2952
Android (android.graphics.Color)	4294902608 (0xFFFF0350)
YUV	87.1260, -3.5131, 147.2255
Hunter-Lab	46.8770, 81.1341, 20.6510

Details

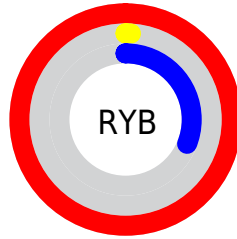
The CIELCh color **54, 87.577, 21.167** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **89, 71.244, 161.227**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.397, 13.855**, and **39, 74.723, 30.253** is the 20% darker color. If you saturate the color by 10%, you get **54, 88.039, 21.847**, and if you desaturate by 10%, it is **55, 83.114, 15.647**.

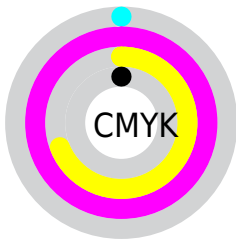
Distribution



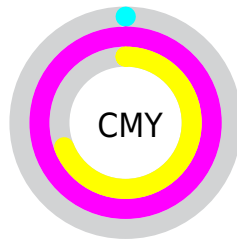
- Red (100%)
- Green (1%)
- Blue (31%)



- Red (100%)
- Yellow (1%)
- Blue (31%)



- Cyan (0%)
- Magenta (99%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (99%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 87.577, 21.167 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 54, 87.577, 21.167 by changing the saturation by 10% instead.

 54, 87.577, 21.167

 54, 87.577, 21.167

 100, 87.577,
21.167

 44, 87.577, 21.167

 74, 87.577, 21.167

 34, 87.577, 21.167

 84, 87.577, 21.167

 24, 87.577, 21.167

 94, 87.577, 21.167

 14, 87.577, 21.167

 4, 87.577, 21.167

 0, 87.577, 21.167

 54, 87.577, 21.167

 54, 87.577, 21.167

 54, 88.039, 21.847

 55, 83.114, 15.647

 57, 77.414, 11.019

■ 60, 70.007, 7.322

■ 65, 61.071, 4.413

■ 70, 51.052, 2.114

■ 75, 40.448, 0.264

■ 81, 29.673,
358.744

■ 88, 19.022,
357.463

■ 94, 8.678, 356.341

Harmonies

Complementary

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



54, 87.577, 21.167



89, 71.244, 161.227

Rectangle

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



54, 87.577, 21.167



54, 87.577, 71.167



54, 87.577, 201.167



54, 87.577, 251.167

Sweetspot

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



54, 87.470, 21.129



80, 31.074, 358.927



48, 119.862, 316.740



40, 21.307, 359.549



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54, 87.470, 21.129



54, 88.039, 21.847



56, 99.631, 42.540



50, 5.682, 356.428



40, 70.496, 20.757



10, 31.439, 12.357

Inverse Universe

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



54, 87.470, 21.129



54, 88.039, 21.847



78, 43.611, 232.245



50, 5.682, 356.428



40, 70.496, 20.757



10, 31.439, 12.357

Previews

White Background



This preview shows how the CIELCh color 54, 87.577, 21.167 looks on a white background.

Color Contrast Check

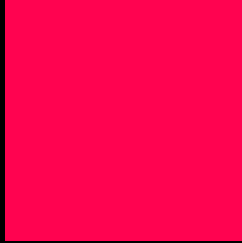
Large Text (above 18pt) WCAG AA ✓ Pass

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 54, 87.577, 21.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

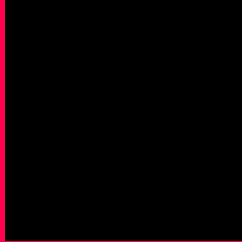
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 87.577, 21.167

Background



This preview shows how black text looks on a background with the CIELCh color 54, 87.577, 21.167.

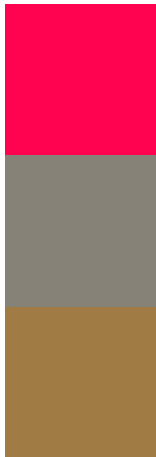


This preview shows how white text looks on a background with the CIELCh color 54, 87.577, 21.167.

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

54, 87.525, 21.200

Protanopia

54, 6.620, 91.321

Deuteranopia

54, 36.287, 78.552



Tritanopia
54, 97.333, 37.955

Trichromacy



Original Color
54, 87.525, 21.200



Protanomaly
48, 41.234, 9.172



Deuteranomaly
49, 53.533, 31.747



Tritanomaly
54, 93.627, 32.832

Monochromacy



Original Color
54, 87.525, 21.200



Achromatopsia
37, 0.005, 296.813



Achromatomaly
38, 41.072, 4.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 87.577, 21.167 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 3, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 87.577, 21.167 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, 80) }
```

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

```
.border{ border-color:rgb(255, 3, 80) }
```

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, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 3, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 87.577, 21.167 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, 80) }
```

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

```
.background{ background-color: rgb(255, 3,  
80) }
```

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