

Converting Colors

CIELCh(54, 87.625, 21.308)

Have a look what the booklet for
CIELCh(54, 87.625, 21.308) contains.

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Color

CIELCh(54, 87.472, 21.233)

Conversions

Conversions Part 1

Format	Color
Hex	FF0550
RGB	255, 5, 80
RGB Percent	100%, 2%, 31%
CMY	0.0000, 0.9814, 0.6858
CMYK	0.00, 0.98, 0.69, 0.00
HSL	342°, 100%, 51%
HSV	342°, 98%, 100%
XYZ	42.8058, 21.9746, 9.5983
YIQ	88.3000, 124.9250, 76.3250

Conversions

Conversions Part 2

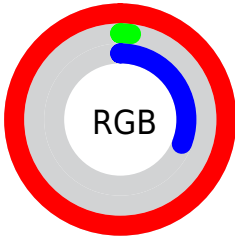
Format	Color
R_{YB}	255, 5, 80
Decimal	16713040
CIE _{Lab}	54.00, 81.53, 31.68
CIE _{LCh}	54, 87.472, 21.233
Yxy	21.9746, 0.5755, 0.2954
Android (android.graphics.Color)	4294903120 (0xFFFF0550)
YUV	88.3000, -4.0919, 146.1959
Hunter-Lab	46.8770, 80.9626, 20.6740

Details

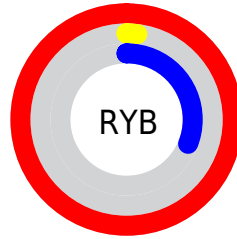
The CIELCh color **54, 87.472, 21.233** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **89, 70.672, 161.692**, and the grayscale version is **37, 0.005, 296.813**.

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, 88.236, 22.242**, and if you desaturate by 10%, it is **55, 82.938, 15.747**.

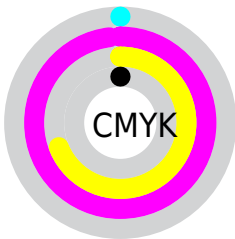
Distribution



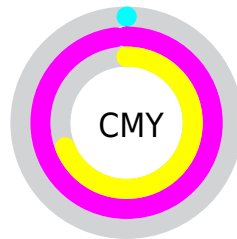
- Red (100%)
- Green (2%)
- Blue (31%)



- Red (100%)
- Yellow (2%)
- Blue (31%)



- Cyan (0%)
- Magenta (98%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (98%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 87.472, 21.233 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, 87.472, 21.233 by changing the saturation by 10% instead.

 54, 87.472, 21.233

 54, 87.472, 21.233

 100, 87.472,
21.233

 44, 87.472, 21.233

 74, 87.472, 21.233

 34, 87.472, 21.233

 84, 87.472, 21.233

 24, 87.472, 21.233

 94, 87.472, 21.233

 14, 87.472, 21.233

 4, 87.472, 21.233

 0, 87.472, 21.233

 54, 87.472, 21.233

 54, 87.472, 21.233

 54, 88.236, 22.242

 55, 82.938, 15.747

 57, 77.082, 11.155

61, 69.537, 7.487

65, 60.500, 4.601

70, 50.423, 2.319

76, 39.796, 0.483

82, 29.028,
358.973

88, 18.404,
357.700

95, 8.098, 356.581

Harmonies

Complementary

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



54, 87.472, 21.233



89, 70.672, 161.692

Rectangle

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



54, 87.472, 21.233



54, 87.472, 71.233



54, 87.472, 201.233



54, 87.472, 251.233

Sweetspot

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



54, 87.414, 21.214



81, 29.948, 359.092



48, 119.691, 316.780



41, 20.662, 359.712



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, 87.414, 21.214



54, 88.236, 22.242



56, 99.251, 42.534



50, 5.669, 356.729



40, 70.642, 21.151



10, 31.456, 12.664

Inverse Universe

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



54, 87.414, 21.214



54, 88.236, 22.242



78, 43.572, 232.043



50, 5.669, 356.729



40, 70.642, 21.151



10, 31.456, 12.664

Previews

White Background



This preview shows how the CIELCh color 54, 87.472, 21.233 looks on a white background.

Color Contrast Check

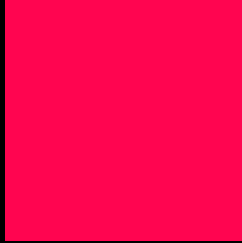
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.472, 21.233 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, 87.472, 21.233

Background



This preview shows how black text looks on a background with the CIELCh color 54, 87.472, 21.233.

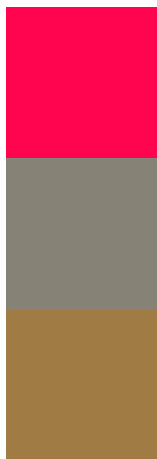


This preview shows how white text looks on a background with the CIELCh color 54, 87.472, 21.233.

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, 87.420, 21.267

Protanopia

54, 7.170, 92.630

Deuteranopia

54, 36.287, 78.552



Tritanopia
54, 97.333, 37.955

Trichromacy



Original Color
54, 87.420, 21.267



Protanomaly
48, 41.219, 9.975



Deuteranomaly
49, 53.252, 32.220

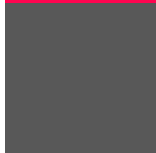


Tritanomaly
54, 93.547, 32.892

Monochromacy



Original Color
54, 87.420, 21.267



Achromatopsia
37, 0.005, 296.813



Achromatomaly
38, 40.981, 5.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 87.472, 21.233 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 5, 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, 5, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 5, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 87.472, 21.233 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, 80) }
```

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

```
.border{ border-color:rgb(255, 5, 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, 5, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 5, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 5, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 5, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 87.472, 21.233 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, 80) }
```

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

```
.background{ background-color: rgb(255, 5,  
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](#).

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