

Converting Colors

CIELCh(54, 88.115, 22.445)

Have a look what the booklet for
CIELCh(54, 88.115, 22.445) contains.

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Color

CIELCh(54, 87.945, 22.344)

Conversions

Conversions Part 1

Format	Color
Hex	FF064D
RGB	255, 6, 77
RGB Percent	100%, 2%, 30%
CMY	0.0000, 0.9764, 0.6974
CMYK	0.00, 0.98, 0.70, 0.00
HSL	343°, 100%, 51%
HSV	343°, 98%, 100%
XYZ	42.7415, 21.9746, 9.0418
YIQ	88.5450, 125.6130, 74.8690

Conversions

Conversions Part 2

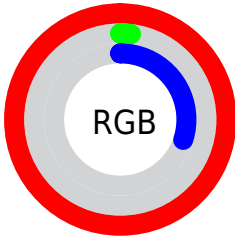
Format	Color
R_YB	255, 6, 77
Decimal	16713293
CIE _{Lab}	54.00, 81.34, 33.43
CIE _{LCh}	54, 87.945, 22.344
Yxy	21.9746, 0.5795, 0.2979
Android (android.graphics.Color)	4294903373 (0xFFFF064D)
YUV	88.5450, -5.6917, 145.9810
Hunter-Lab	46.8770, 80.7177, 21.3779

Details

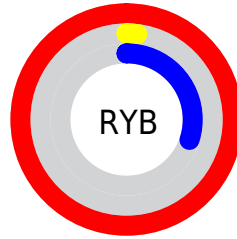
The CIELCh color **54, 87.945, 22.344** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **89, 69.143, 163.052**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 63.567, 15.340**, and **39, 75.250, 31.015** is the 20% darker color. If you saturate the color by 10%, you get **54, 88.974, 23.629**, and if you desaturate by 10%, it is **55, 83.051, 16.844**.

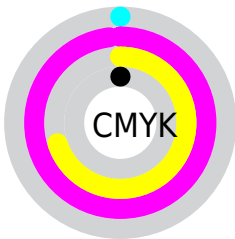
Distribution



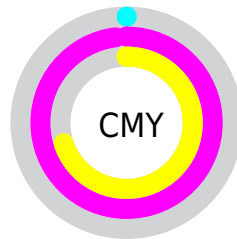
- Red (100%)
- Green (2%)
- Blue (30%)



- Red (100%)
- Yellow (2%)
- Blue (30%)



- Cyan (0%)
- Magenta (98%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (98%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 87.945, 22.344 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, 87.945, 22.344 by changing the saturation by 10% instead.

 54, 87.945, 22.344

 54, 87.945, 22.344

 100, 87.945,
22.344

 44, 87.945, 22.344

 74, 87.945, 22.344

 34, 87.945, 22.344

 84, 87.945, 22.344

 24, 87.945, 22.344

 94, 87.945, 22.344

 14, 87.945, 22.344

 4, 87.945, 22.344

 0, 87.945, 22.344

 54, 87.945, 22.344

 54, 87.945, 22.344

 54, 88.974, 23.629

 55, 83.051, 16.844

 57, 76.880, 12.237

61, 69.090, 8.551

65, 59.887, 5.650

70, 49.718, 3.356

76, 39.064, 1.513

82, 28.318, 0.001

88, 17.751,
358.727

95, 7.528, 357.606

Harmonies

Complementary

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



54, 87.945, 22.344



89, 69.143, 163.052

Rectangle

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



54, 87.945, 22.344



54, 87.945, 72.344



54, 87.945, 202.344



54, 87.945, 252.344

Sweetspot

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



54, 87.861, 22.317



81, 29.777, 0.191



48, 119.173, 317.339



41, 20.553, 0.817



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, 87.861, 22.317



54, 88.974, 23.629



56, 98.231, 43.043



50, 5.627, 357.810



40, 71.191, 22.538



10, 31.522, 13.725

Inverse Universe

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



54, 87.861, 22.317



54, 88.974, 23.629



77, 43.810, 235.495



50, 5.627, 357.810



40, 71.191, 22.538



10, 31.522, 13.725

Previews

White Background



This preview shows how the CIELCh color 54, 87.945, 22.344 looks on a white background.

Color Contrast Check

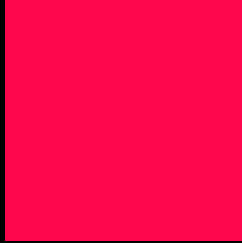
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.945, 22.344 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, 87.945, 22.344

Background



This preview shows how black text looks on a background with the CIELCh color 54, 87.945, 22.344.



This preview shows how white text looks on a background with the CIELCh color 54, 87.945, 22.344.

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, 87.893, 22.377

Protanopia

54, 9.494, 93.767

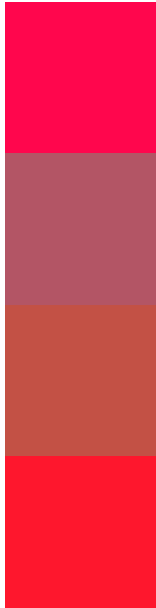
Deuteranopia

54, 37.743, 79.377



Tritanopia
54, 97.665, 38.060

Trichromacy



Original Color
54, 87.893, 22.377

Protanomaly
48, 40.792, 12.923

Deuteranomaly
49, 54.009, 33.840

Tritanomaly
54, 93.804, 33.160

Monochromacy



Original Color
54, 87.893, 22.377

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 40.524, 5.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 87.945, 22.344 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, 6, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 6, 77)  
}
```

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, 6, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 6, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 87.945, 22.344 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, 6, 77) }
```

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

```
.border{ border-color:rgb(255, 6, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 6, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 6, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 6, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 6, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 87.945, 22.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 6, 77) }
```

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

```
.background{ background-color: rgb(255, 6,  
77) }
```

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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