

Converting Colors

CIELCh(54, 90.554, 342.657)

Have a look what the booklet for
CIELCh(54, 90.554, 342.657)
contains.

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Color

CIELCh(54, 90.554, 342.657)

Conversions

Conversions Part 1

Format	Color
Hex	F200B2
RGB	242, 0, 178
RGB Percent	95%, 0%, 70%
CMY	0.0525, 1.0000, 0.3033
CMYK	0.00, 1.00, 0.26, 0.05
HSL	316°, 100%, 47%
HSV	316°, 100%, 95%
XYZ	44.4698, 21.9746, 43.8391
YIQ	92.6500, 87.0940, 106.6620

Conversions

Conversions Part 2

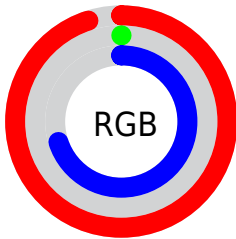
Format	Color
R_{YB}	242, 0, 178
Decimal	15859890
CIE _{Lab}	54.00, 86.44, -26.99
CIE _{LCh}	54, 90.554, 342.657
Yxy	21.9746, 0.4032, 0.1993
Android (android.graphics.Color)	4294049970 (0xFFFF200B2)
YUV	92.6500, 42.0775, 130.9800
Hunter-Lab	46.8770, 87.2989, -22.6337

Details

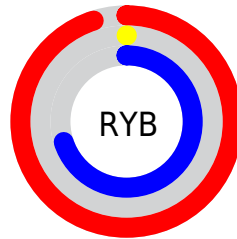
The CIELCh color **54, 90.554, 342.657** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **84, 105.044, 139.798**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 83.881, 332.105**, and **40, 70.848, 345.254** is the 20% darker color. If you saturate the color by 10%, you get **54, 90.432, 342.671**, and if you desaturate by 10%, it is **55, 89.880, 341.063**.

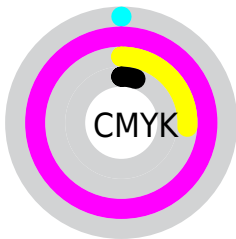
Distribution



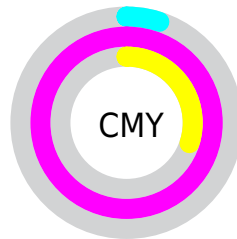
- Red (95%)
- Green (0%)
- Blue (70%)



- Red (95%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 90.554, 342.657 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, 90.554, 342.657 by changing the saturation by 10% instead.


 54, 90.554,
342.657

 54, 90.554,
342.657


 100, 90.554,
342.657

 44, 90.554,
342.657


 74, 90.554,
342.657

 34, 90.554,
342.657

 84, 90.554,
342.657

 24, 90.554,
342.657

 94, 90.554,
342.657

 14, 90.554,
342.657

 4, 90.554, 342.657

 0, 90.554, 342.657

■ 54, 90.554,
342.657

■ 54, 90.554,
342.657

■ 54, 90.432,
342.671

■ 55, 89.880,
341.063

■ 57, 86.840,
339.699

■ 59, 80.976,
338.541

■ 63, 72.609,
337.528

■ 67, 62.303,
336.616

■ 72, 50.672,
335.777

■ 78, 38.261,
334.990

■ 83, 25.496,

334.246

■ 89, 12.678,
333.532

Harmonies

Complementary

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



54, 90.554, 342.657



84, 105.044, 139.798

Rectangle

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



54, 90.554, 342.657



54, 90.554, 32.657



54, 90.554, 162.657



54, 90.554, 212.657

Sweetspot

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



54, 90.432, 342.671



81, 39.970, 334.997



33, 125.898, 307.604



41, 27.219, 335.324



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, 90.432, 342.671



57, 94.151, 342.725



51, 87.127, 26.520



47, 7.155, 333.494



41, 73.833, 342.353



9, 33.074, 339.899

Inverse Universe

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



54, 90.432, 342.671



57, 94.151, 342.725



85, 63.976, 165.702



47, 7.155, 333.494



41, 73.833, 342.353



9, 33.074, 339.899

Previews

White Background



This preview shows how the CIELCh color 54, 90.554, 342.657 looks on a white background.

Color Contrast Check

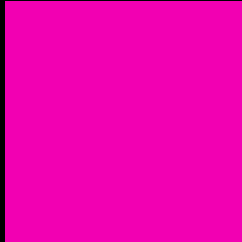
Large Text (above 18pt) WCAG AA ✓ Pass

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, 90.554, 342.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

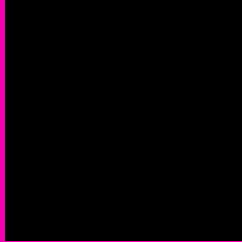
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 90.554, 342.657

Background



This preview shows how black text looks on a background with the CIELCh color 54, 90.554, 342.657.



This preview shows how white text looks on a background with the CIELCh color 54, 90.554, 342.657.

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, 90.554, 342.657

Protanopia

55, 72.318, 287.496

Deuteranopia

55, 21.885, 290.054



Tritanopia
54, 72.000, 29.450

Trichromacy



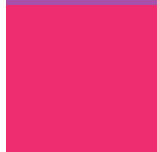
Original Color
54, 90.554, 342.657



Protanomaly
47, 84.675, 306.842



Deuteranomaly
48, 58.004, 326.087



Tritanomaly
53, 74.200, 8.619

Monochromacy



Original Color
54, 90.554, 342.657



Achromatopsia
39, 0.006, 296.813



Achromatomaly
39, 48.278, 337.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 90.554, 342.657 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(242, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 178)  
}
```

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(242, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 90.554, 342.657 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(242, 0, 178) }
```

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

```
.border{ border-color:rgb(242, 0, 178) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 90.554, 342.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 178) }
```

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

```
.background{ background-color: rgb(242, 0,  
178) }
```

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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