

# Converting Colors

XYZ(136.7616, 74.8407,  
79.0654)

Have a look what the booklet for  
XYZ(136.7616, 74.8407, 79.0654)  
contains.

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# Color

**XYZ(58.9702, 34.7564,  
75.5521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5EE2
RGB	255, 94, 226
RGB Percent	100%, 37%, 89%
CMY	0.0000, 0.6313, 0.1137
CMYK	0.00, 0.63, 0.11, 0.00
HSL	311°, 100%, 68%
HSV	311°, 63%, 100%
XYZ	58.9702, 34.7564, 75.5521
YIQ	157.1870, 53.5840, 75.1840

# Conversions

## Conversions Part 2

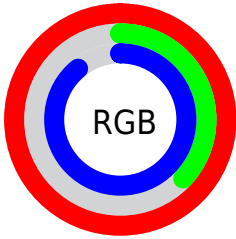
Format	Color
R <sub>Y</sub> B	255, 94, 226
Decimal	16735970
CIE Lab	65.56, 74.90, -36.44
CIE LCh	66, 83.300, 334.055
Yxy	34.7564, 0.3484, 0.2053
Android (android.graphics.Color)	4294926050 (0xFFFF5EE2)
YUV	157.1870, 33.9248, 85.7820
Hunter-Lab	58.9546, 75.3769, -34.7138

# Details

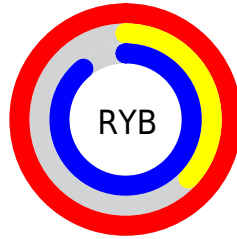
The XYZ color **58.9702, 34.7564, 75.5521** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **43.9525, 75.3304, 30.9650**, and the grayscale version is **31.9687, 33.6335, 36.6269**.

A 20% lighter version of the original color is **70.6812, 51.2625, 100.7771**, and **29.9942, 14.9701, 39.3389** is the 20% darker color. If you saturate the color by 10%, you get **56.4435, 30.6982, 71.6419**, and if you desaturate by 10%, it is **62.2639, 40.3215, 79.8021**.

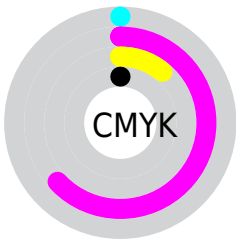
# Distribution



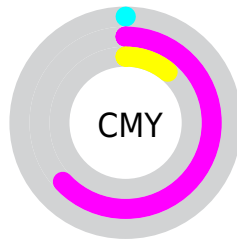
- Red (100%)
- Green (37%)
- Blue (89%)



- Red (100%)
- Yellow (37%)
- Blue (89%)



- Cyan (0%)
- Magenta (63%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (63%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9702, 34.7564, 75.5521 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 XYZ color 58.9702, 34.7564, 75.5521 by changing the saturation by 10% instead.




 58.9702, 34.7564,  
75.5521

 58.9702, 34.7564,  
75.5521


410.6873,  
323.4918, 499.1190


 42.8354, 23.4753,  
55.5609

 102.4492, 67.1082,  
128.8479


 29.9500, 14.9448,  
39.4493


 130.5242, 88.9477,  
162.9894

 19.9485, 8.7807,  
26.7989


 163.3099,  
115.0755, 202.6849

 12.4657, 4.5984,  
17.1912

 201.1717,  
145.8759, 248.3528

 7.1361, 2.0136,  
10.2075

244.4750,  
181.7333, 300.4116

 3.5944, 0.6154,  
5.4293

293.5851,

 1.4754, 0.0000,

223.0322, 359.2798

2.4382

348.8674,  
270.1569, 425.3762

■ 0.3090, 0.0000,  
0.8071

■ 0.0000, 0.0000,  
0.0000

■ 58.9702, 34.7564,  
75.5521

■ 58.9702, 34.7564,  
75.5521

■ 56.4435, 30.6982,  
71.6419

■ 62.2639, 40.3215,  
79.8021

■ 54.6044, 27.9884,  
68.0432


■ 66.3891, 47.5222,  
84.4128

■ 53.3599, 26.4414,  
64.7247

■ 71.4057, 56.4785,  
89.4052

■ 52.7569, 25.8668,  
62.5773

■ 77.3677, 67.2979,  
94.7979

 84.3245, 80.0791,  
100.6081

 92.3223, 94.9141,  
106.8516

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0074, 34.7564, 125.3837



58.9702, 34.7564, 75.5521



62.4320, 34.7564, 33.2841

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.9702, 34.7564, 75.5521



31.4019, 34.7564, 2.5911



17.1487, 34.7564, 89.3805

# Complementary

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



58.9702, 34.7564, 75.5521



43.9525, 75.3304, 30.9650

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.7109, 34.7564, 42.8020



58.9702, 34.7564, 75.5521



21.5523, 34.7564, 4.9968

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.9702, 34.7564, 75.5521



44.4107, 34.7564, 3.8622



16.0983, 34.7564, 15.3870



23.7892, 34.7564, 136.2538



# Rectangle

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



58.9702, 34.7564, 75.5521



59.4531, 34.7564, 16.5166



16.0983, 34.7564, 15.3870



15.8965, 34.7564, 72.4101

# Sweetspot

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



58.9710, 34.7579, 75.5528



80.1204, 72.3385, 97.1483



29.9162, 19.2802, 96.7524



16.7375, 14.7292, 20.4440



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



58.9710, 34.7579, 75.5528



55.8498, 29.7910, 70.5799



50.5628, 31.3946, 31.2759



18.6440, 18.2409, 22.0084



27.6175, 13.5363, 32.9661



2.7240, 1.3320, 3.3939



# Inverse Universe

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



58.9710, 34.7579, 75.5528



55.8498, 29.7910, 70.5799



50.9591, 78.1330, 67.8612



18.6440, 18.2409, 22.0084



27.6175, 13.5363, 32.9661



2.7240, 1.3320, 3.3939



# Previews

## White Background



This preview shows how the XYZ color 58.9702, 34.7564, 75.5521 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

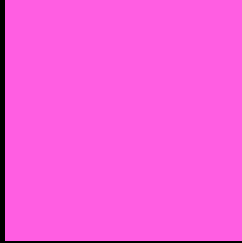
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9702, 34.7564, 75.5521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

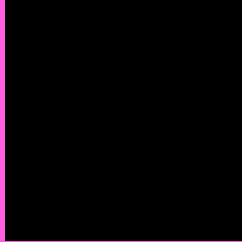
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.9702, 34.7564, 75.5521

## Background



This preview shows how black text looks on a background with the XYZ color 58.9702, 34.7564, 75.5521.



This preview shows how white text looks on a background with the XYZ color 58.9702, 34.7564,



# 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

58.9702, 34.7564, 75.5521

### Protanopia

37.8236, 35.0619, 99.3818

### Deuteranopia

35.7793, 34.9114, 69.8186



## Tritanopia

48.4560, 34.6722, 24.9074

# Trichromacy



## Original Color

58.9702, 34.7564, 75.5521



## Protanomaly

41.2942, 31.8528, 89.5597



## Deuteranomaly

41.2105, 32.4078, 71.7935



## Tritanomaly

51.4522, 34.1890, 39.0093

# Monochromacy



## Original Color

58.9702, 34.7564, 75.5521



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

38.9609, 31.7650, 48.3338

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9702, 34.7564, 75.5521 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, 94, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 226)  
}
```

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, 94, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9702, 34.7564, 75.5521 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, 94, 226) }
```



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

```
.border{ border-color:rgb(255, 94, 226) }
```

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

Here you see how a box with a 4 pixel rgb(255, 94, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9702, 34.7564, 75.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 226) }
```

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

```
.background{ background-color: rgb(255, 94,  
226) }
```

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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