

# Converting Colors

XYZ(57.9716, 31.9938, 87.0198)

Have a look what the booklet for  
XYZ(57.9716, 31.9938, 87.0198)  
contains.

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# Color

**XYZ(58.1052, 32.0426,  
87.1267)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FA4DF2
RGB	250, 77, 242
RGB Percent	98%, 30%, 95%
CMY	0.0196, 0.6980, 0.0510
CMYK	0.00, 0.69, 0.03, 0.02
HSL	303°, 95%, 64%
HSV	303°, 69%, 98%
XYZ	58.1052, 32.0426, 87.1267
YIQ	147.5370, 50.1430, 87.9910

# Conversions

## Conversions Part 2

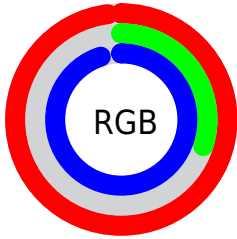
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 77, 242
Decimal	16403954
CIE Lab	63.38, 82.21, -48.82
CIE LCh	63, 95.611, 329.296
Yxy	32.0426, 0.3278, 0.1808
Android (android.graphics.Color)	4294594034 (0xFFFA4DF2)
YUV	147.5370, 46.5703, 89.8601
Hunter-Lab	56.6062, 84.1661, -51.6332

# Details

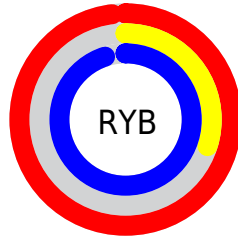
The XYZ color **58.1052, 32.0426, 87.1267** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **38.8874, 70.6062, 20.1752**, and the grayscale version is **27.7559, 29.2013, 31.8003**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **29.9922, 14.4499, 47.1073** is the 20% darker color. If you saturate the color by 10%, you get **56.5071, 29.1226, 85.7401**, and if you desaturate by 10%, it is **60.3784, 36.3093, 88.7443**.

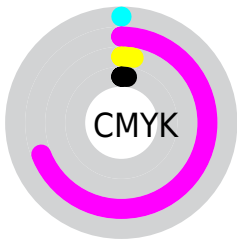
# Distribution



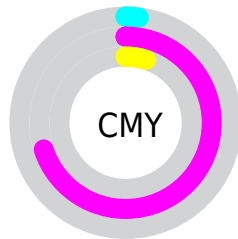
- Red (98%)
- Green (30%)
- Blue (95%)



- Red (98%)
- Yellow (30%)
- Blue (95%)



- Cyan (0%)
- Magenta (69%)
- Yellow (3%)
- Black (2%)




- Cyan (2%)
- Magenta (70%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1052, 32.0426, 87.1267 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 58.1052, 32.0426, 87.1267 by changing the saturation by 10% instead.





 58.1052, 32.0426,  
87.1267


 58.1052, 32.0426,  
87.1267


407.5254,  
311.3133, 538.9661


 42.1368, 21.3940,  
65.0398


 101.1981, 62.8779,  
145.2412


 29.4000, 13.4123,  
47.0418


 129.0534, 83.8334,  
182.1058

 19.5294, 7.7131,  
32.7141


 161.6016,  
108.9933, 224.7335

 12.1597, 3.9119,  
21.6382

 199.2082,  
138.7420, 273.5428

 6.9255, 1.6244,  
13.3956

242.2386,  
173.4640, 328.9521

 3.4615, 0.3740,  
7.5676

291.0580,

 1.4022, 0.0000,

213.5436, 391.3801

3.7357

346.0318,  
259.3652, 461.2452

■ 0.2578, 0.0000,  
1.4815

■ 0.0000, 0.0000,  
0.2041

■ 58.1052, 32.0426,  
87.1267

■ 58.1052, 32.0426,  
87.1267

■ 56.5071, 29.1226,  
85.7401

■ 60.3784, 36.3093,  
88.7443

■ 55.4988, 27.3812,  
84.5552

■ 63.3921, 42.0561,  
90.6138

■ 54.9575, 26.5722,  
83.5315

■ 67.2078, 49.4051,  
92.7561

■ 54.9220, 26.5231,  
83.4521

■ 71.8796, 58.4646,  
95.1893

77.4570, 69.3336,  
97.9298

83.9858, 82.1035,  
100.9928

91.5084, 96.8594,  
104.3927

92.6369, 98.8251,  
105.6666

92.8200, 98.8983,  
106.6309

# Harmonies

## Analogous

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



44.7349, 32.0426, 145.4006



58.1052, 32.0426, 87.1267



63.7835, 32.0426, 35.7952

# Triad

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



58.1052, 32.0426, 87.1267



30.7703, 32.0426, 0.9556



13.1747, 32.0426, 84.2934

# Complementary

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



58.1052, 32.0426, 87.1267



38.8874, 70.6062, 20.1752

# 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.



11.3948, 32.0426, 33.9981



58.1052, 32.0426, 87.1267



19.5927, 32.0426, 2.0814

# Square

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



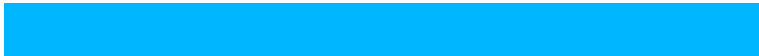
58.1052, 32.0426, 87.1267



45.4408, 32.0426, 2.2216



13.3550, 32.0426, 9.2876



19.1906, 32.0426, 143.0861



# Rectangle

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



58.1052, 32.0426, 87.1267



61.4675, 32.0426, 15.8750



13.3550, 32.0426, 9.2876



12.1549, 32.0426, 65.0589

# Sweetspot

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



58.1064, 32.0441, 87.1273



79.8855, 70.3049, 101.8907



23.4575, 14.0400, 91.9172



16.7434, 14.3550, 21.6357



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.



58.1064, 32.0441, 87.1273



58.6304, 29.6188, 89.1822



48.2284, 28.0929, 35.1105



17.9563, 17.5099, 21.6257



29.1474, 14.0747, 44.3459



2.7100, 1.3077, 4.1620



# Inverse Universe

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



58.1064, 32.0441, 87.1273



58.6304, 29.6188, 89.1822



44.4343, 72.8250, 49.3846



17.9563, 17.5099, 21.6257



29.1474, 14.0747, 44.3459



2.7100, 1.3077, 4.1620



# Previews

## White Background



This preview shows how the XYZ color 58.1052, 32.0426, 87.1267 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

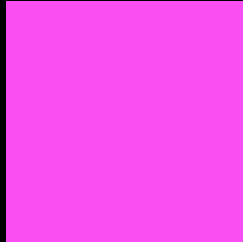
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.1052, 32.0426, 87.1267 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

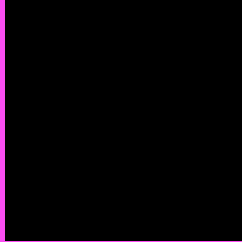
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.1052, 32.0426, 87.1267**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.1052, 32.0426, 87.1267.



This preview shows how white text looks on a background with the XYZ color 58.1052, 32.0426,



# 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

58.1052, 32.0426, 87.1267

### Protanopia

35.2630, 32.2839, 98.9806

### Deuteranopia

33.1454, 32.3472, 79.3596



## Tritanopia

44.6309, 31.6961, 22.5045

# Trichromacy



## Original Color

58.1052, 32.0426, 87.1267



## Protanomaly

38.8355, 28.5416, 93.9047



## Deuteranomaly

37.9108, 28.7147, 81.3863



## Tritanomaly

48.1546, 30.9378, 39.5100

# Monochromacy



## Original Color

58.1052, 32.0426, 87.1267



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

35.4106, 27.6108, 47.7190

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1052, 32.0426, 87.1267 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(250, 77, 242)` looks like.

```
.text, #text, p{  
    color:rgb(250, 77, 242)  
}
```

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(250, 77, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 77, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1052, 32.0426, 87.1267 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(250, 77, 242) }
```



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

```
.border{ border-color:rgb(250, 77, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 77, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 77, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 77, 242);  
box-shadow:4px 4px 4px 4px rgb(250, 77,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1052, 32.0426, 87.1267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 77, 242) }
```

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

```
.background{ background-color: rgb(250, 77,  
242) }
```

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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