

# Converting Colors

XYZ(57.7567, 27.6896, 96.9082)

Have a look what the booklet for  
XYZ(57.7567, 27.6896, 96.9082)  
contains.

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# Color

**XYZ(57.8337, 27.7292,  
96.9118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB00FF
RGB	251, 0, 255
RGB Percent	98%, 0%, 100%
CMY	0.0157, 0.9998, 0.0000
CMYK	0.02, 1.00, 0.00, 0.00
HSL	299°, 100%, 50%
HSV	299°, 100%, 100%
XYZ	57.8337, 27.7292, 96.9118
YIQ	104.1190, 67.7410, 132.5170

# Conversions

## Conversions Part 2

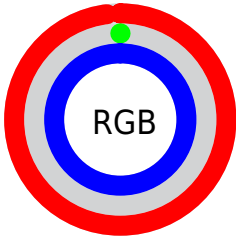
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 0, 255
Decimal	16449791
CIE <sub>Lab</sub>	59.64, 97.64, -61.96
CIE <sub>LCh</sub>	60, 115.646, 327.601
Yxy	27.7292, 0.3169, 0.1520
Android (android.graphics.Color)	4294639871 (0xFFFB00FF)
YUV	104.1190, 74.3843, 128.8146
Hunter-Lab	52.6585, 103.8902, -72.2553

# Details

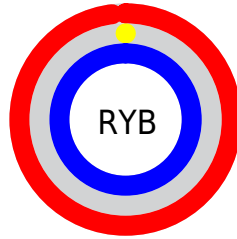
The XYZ color **57.8337, 27.7292, 96.9118** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.8108, 71.5461, 11.9235**, and the grayscale version is **12.9910, 13.6676, 14.8840**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **31.0643, 14.8500, 54.0524** is the 20% darker color. If you saturate the color by 10%, you get **57.8341, 27.7295, 96.9119**, and if you desaturate by 10%, it is **58.3379, 28.5225, 97.0384**.

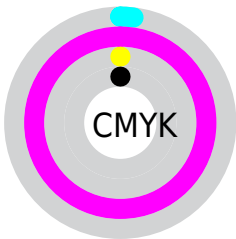
# Distribution



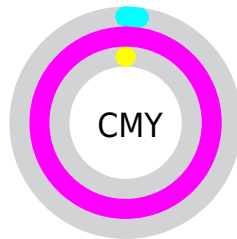
- Red (98%)
- Green (0%)
- Blue (100%)



- Red (98%)
- Yellow (0%)
- Blue (100%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (100%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.8337, 27.7292, 96.9118 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 57.8337, 27.7292, 96.9118 by changing the saturation by 10% instead.




 57.8337, 27.7292,  
96.9118


 57.8337, 27.7292,  
96.9118

406.5298,  
291.1707, 571.4074


 41.9177, 18.1216,  
73.1215


 100.8050, 56.0518,  
158.9214


 29.2277, 11.0373,  
53.5829


 128.5910, 75.5356,  
197.9779


 19.3983, 6.0920,  
37.8774


 161.0645, 99.0803,  
242.9601

 12.0641, 2.9011,  
25.5865

 198.5906,  
127.0703, 294.2867

 6.8599, 1.0803,  
16.2915

 241.5349,  
159.8899, 352.3762

 3.4202, 0.0000,  
9.5741

290.2626,

 1.3797, 0.0000,

197.9236, 417.6471

5.0156

345.1391,  
241.5557, 490.5180

■ 0.2417, 0.0000,  
2.1975

■ 0.0000, 0.0000,  
0.6729

■ 57.8337, 27.7292,  
96.9118

■ 57.8337, 27.7292,  
96.9118

■ 57.8341, 27.7295,  
96.9119

■ 58.3379, 28.5225,  
97.0384

■ 59.3087, 30.2496,  
97.3206

■ 60.8897, 33.1966,  
97.8061

■ 63.1683, 37.5384,  
98.5240

66.2177, 43.4214,  
99.4988

70.1019, 50.9734,  
100.7518

74.8782, 60.3092,  
102.3021

80.5989, 71.5333,  
104.1670

87.3121, 84.7420,  
106.3627

# Harmonies

## Analogous

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



41.6011, 27.7292, 171.9500



57.8337, 27.7292, 96.9118



65.4779, 27.7292, 33.6807

# Triad

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



57.8337, 27.7292, 96.9118



27.5472, 27.7292, 0.0000



8.4964, 27.7292, 84.7850

# Complementary

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



57.8337, 27.7292, 96.9118



35.8108, 71.5461, 11.9235

# 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.



7.0927, 27.7292, 26.9536



57.8337, 27.7292, 96.9118



15.3808, 27.7292, 0.0244

# Square

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



57.8337, 27.7292, 96.9118



44.4189, 27.7292, 0.3628



9.0603, 27.7292, 4.3660



14.0041, 27.7292, 161.4495



# Rectangle

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



57.8337, 27.7292, 96.9118



63.1431, 27.7292, 11.8358



9.0603, 27.7292, 4.3660



7.6434, 27.7292, 61.5730

# Sweetspot

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



57.8348, 27.7305, 96.9120



74.8701, 60.2933, 102.2994



18.0970, 7.3134, 95.0655



15.5704, 12.0150, 21.7484



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.



57.8348, 27.7305, 96.9120



57.8341, 27.7295, 96.9119



45.3895, 22.9205, 23.7789



18.7629, 18.2850, 22.7904



30.2324, 14.4959, 50.6391



2.9523, 1.4159, 4.9310



# Inverse Universe

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



41.2626, 21.2697, 2.0466



41.2619, 21.2688, 2.0454



39.3526, 72.9571, 30.8358



18.0210, 17.9917, 18.7275



21.5652, 11.1154, 1.0950



2.1036, 1.0838, 0.1270



# Previews

## White Background



This preview shows how the XYZ color 57.8337, 27.7292, 96.9118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

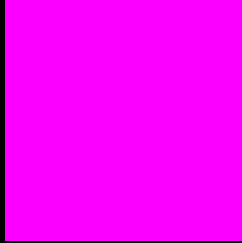
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.8337, 27.7292, 96.9118 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](#).

**XYZ 57.8337, 27.7292, 96.9118**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.8337, 27.7292, 96.9118.



This preview shows how white text looks on a background with the XYZ color 57.8337, 27.7292,



# 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

57.8337, 27.7292, 96.9118

### Protanopia

31.6947, 28.3936, 98.4178

### Deuteranopia

29.3333, 28.3359, 86.3614



## Tritanopia

41.4720, 27.8380, 17.0974

# Trichromacy



## Original Color

57.8337, 27.7292, 96.9118



## Protanomaly

33.9189, 20.8282, 96.8403



## Deuteranomaly

31.6363, 20.0865, 88.5959



## Tritanomaly

44.5420, 24.9408, 36.1846

# Monochromacy



## Original Color

57.8337, 27.7292, 96.9118



## Achromatopsia

13.1579, 13.8432, 15.0752



## Achromatomaly

22.1109, 13.5677, 34.2544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.8337, 27.7292, 96.9118 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(251, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 255)  
}
```

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(251, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.8337, 27.7292, 96.9118 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(251, 0, 255) }
```



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

```
.border{ border-color:rgb(251, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 0,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.8337, 27.7292, 96.9118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 255) }
```

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

```
.background{ background-color: rgb(251, 0,  
255) }
```

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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