

# Converting Colors

XYZ(57.4899, 27.6523, 92.3647)

Have a look what the booklet for  
XYZ(57.4899, 27.6523, 92.3647)  
contains.

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# Color

**XYZ(57.4002, 27.5976,  
92.7440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC00FA
RGB	252, 0, 250
RGB Percent	99%, 0%, 98%
CMY	0.0118, 0.9998, 0.0196
CMYK	0.00, 1.00, 0.01, 0.01
HSL	300°, 100%, 49%
HSV	300°, 100%, 99%
XYZ	57.4002, 27.5976, 92.7440
YIQ	103.8480, 69.9420, 131.1740

# Conversions

## Conversions Part 2

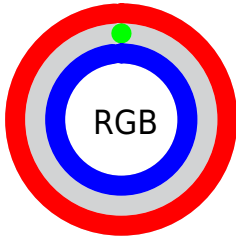
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 0, 250
Decimal	16515322
CIE <sub>Lab</sub>	59.52, 97.10, -59.37
CIE <sub>LCh</sub>	60, 113.813, 328.556
Yxy	27.5976, 0.3229, 0.1553
Android (android.graphics.Color)	4294705402 (0xFFFC00FA)
YUV	103.8480, 72.0529, 129.9293
Hunter-Lab	52.5334, 103.1031, -67.8989

# Details

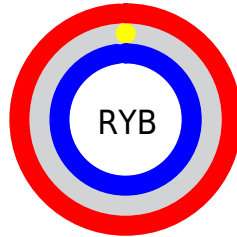
The XYZ color **57.4002, 27.5976, 92.7440** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **34.8227, 69.6266, 11.6627**, and the grayscale version is **12.9257, 13.5989, 14.8092**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **30.8608, 14.7974, 51.6817** is the 20% darker color. If you saturate the color by 10%, you get **57.4008, 27.5979, 92.7441**, and if you desaturate by 10%, it is **57.7852, 28.3163, 93.0274**.

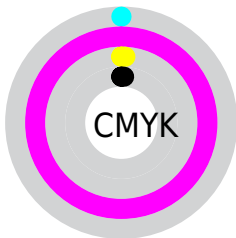
# Distribution



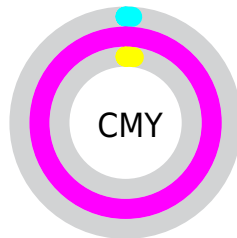
- Red (99%)
- Green (0%)
- Blue (98%)



- Red (99%)
- Yellow (0%)
- Blue (98%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4002, 27.5976, 92.7440 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 57.4002, 27.5976, 92.7440 by changing the saturation by 10% instead.




 57.4002, 27.5976,  
92.7440


 57.4002, 27.5976,  
92.7440

404.9372,  
290.5391, 557.7159


 41.5680, 18.0225,  
69.6723


 100.1769, 55.8413,  
153.1128


 28.9528, 10.9662,  
50.7842


 127.8521, 75.2788,  
191.2469


 19.1892, 6.0441,  
35.6614


 160.2057, 98.7726,  
235.2389

 11.9119, 2.8719,  
23.8852

 197.6031,  
126.7070, 285.5073

 6.7555, 1.0652,  
15.0371

 240.4096,  
159.4664, 342.4707

 3.3546, 0.0000,  
8.6985

288.9905,

 1.3440, 0.0000,

197.4353, 406.5475

4.4509

343.7113,  
240.9981, 478.1564

■ 0.2158, 0.0000,  
1.8758

■ 0.0000, 0.0000,  
0.4773

■ 57.4002, 27.5976,  
92.7440

■ 57.4002, 27.5976,  
92.7440

■ 57.4008, 27.5979,  
92.7441

■ 57.7852, 28.3163,  
93.0274

■ 58.6235, 29.9426,  
93.4620

■ 60.0553, 32.7559,  
94.0945

■ 62.1655, 36.9259,  
94.9533

65.0251, 42.5946,  
96.0621

68.6962, 49.8863,  
97.4416

73.2346, 58.9125,  
99.1103

78.6909, 69.7745,  
101.0852

85.1121, 82.5663,  
103.3818

# Harmonies

## Analogous

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



41.7023, 27.5976, 165.9881



57.4002, 27.5976, 92.7440



64.4671, 27.5976, 32.0792

# Triad

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



57.4002, 27.5976, 92.7440



26.9303, 27.5976, 0.0000



8.7265, 27.5976, 85.6415

# Complementary

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



57.4002, 27.5976, 92.7440



34.8227, 69.6266, 11.6627

# 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.



7.2199, 27.5976, 28.1065



57.4002, 27.5976, 92.7440



15.1548, 27.5976, 0.1859

# Square

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



57.4002, 27.5976, 92.7440



43.3599, 27.5976, 0.3864



9.0637, 27.5976, 4.8385



14.3368, 27.5976, 159.8592



# Rectangle

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



57.4002, 27.5976, 92.7440



61.9128, 27.5976, 11.3026



9.0637, 27.5976, 4.8385



7.8382, 27.5976, 62.7442

# Sweetspot

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



57.4013, 27.5989, 92.7445



75.2124, 60.4811, 101.8056



17.5720, 7.0297, 92.5275



15.6539, 12.0608, 21.6279



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.



57.4013, 27.5989, 92.7445



58.9656, 28.3502, 95.2717



43.9134, 22.2037, 21.7180



17.9868, 17.5221, 21.7862



29.9031, 14.3770, 48.3257



2.7714, 1.3323, 4.4857



# Inverse Universe

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



57.4013, 27.5989, 92.7445



58.9656, 28.3502, 95.2717



38.5789, 71.1291, 31.4427



17.9868, 17.5221, 21.7862



29.9031, 14.3770, 48.3257



2.7714, 1.3323, 4.4857



# Previews

## White Background



This preview shows how the XYZ color 57.4002, 27.5976, 92.7440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

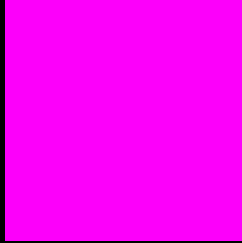
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 57.4002, 27.5976, 92.7440 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 57.4002, 27.5976, 92.7440**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.4002, 27.5976, 92.7440.



This preview shows how white text looks on a background with the XYZ color 57.4002, 27.5976,

92.7440.

# 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

57.4002, 27.5976, 92.7440

### Protanopia

31.6947, 28.3936, 98.4178

### Deuteranopia

29.1453, 28.3237, 82.5282



## Tritanopia

41.5096, 27.5882, 16.5019

# Trichromacy



## Original Color

57.4002, 27.5976, 92.7440



## Protanomaly

33.5985, 20.7001, 95.1532



## Deuteranomaly

31.7681, 20.2415, 84.6707



## Tritanomaly

44.5121, 24.7911, 34.7869

# Monochromacy



## Original Color

57.4002, 27.5976, 92.7440



## Achromatopsia

13.1579, 13.8432, 15.0752



## Achromatomaly

22.1346, 13.5999, 33.3567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.4002, 27.5976, 92.7440 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(252, 0, 250)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 250)  
}
```

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(252, 0, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 57.4002, 27.5976, 92.7440 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(252, 0, 250) }
```



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

```
.border{ border-color:rgb(252, 0, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 250);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.4002, 27.5976, 92.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 250) }
```

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

```
.background{ background-color: rgb(252, 0,  
250) }
```

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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