

# Converting Colors

XYZ(56.9674, 27.5510, 84.7494)

Have a look what the booklet for  
XYZ(56.9674, 27.5510, 84.7494)  
contains.

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# Color

**XYZ(56.9682, 27.5513,  
84.7534)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00F0
RGB	255, 0, 240
RGB Percent	100%, 0%, 94%
CMY	0.0000, 0.9998, 0.0588
CMYK	0.00, 1.00, 0.06, 0.00
HSL	304°, 100%, 50%
HSV	304°, 100%, 100%
XYZ	56.9682, 27.5513, 84.7534
YIQ	103.6050, 74.9400, 128.7000

# Conversions

## Conversions Part 2

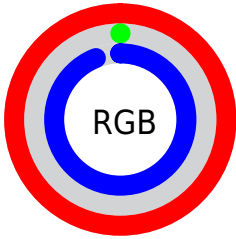
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 0, 240
Decimal	16711920
CIELab	59.48, 96.22, -53.84
CIElCh	59, 110.256, 330.772
Yxy	27.5513, 0.3365, 0.1628
Android (android.graphics.Color)	4294902000 (0xFFFF00F0)
YUV	103.6050, 67.2427, 132.7734
Hunter-Lab	52.4893, 101.8749, -58.9918

# Details

The XYZ color **56.9682, 27.5513, 84.7534** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.8472, 71.5550, 12.3759**, and the grayscale version is **12.8733, 13.5437, 14.7491**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **30.5396, 14.7564, 46.0384** is the 20% darker color. If you saturate the color by 10%, you get **56.9678, 27.5511, 84.7514**, and if you desaturate by 10%, it is **57.5516, 28.3598, 86.0524**.

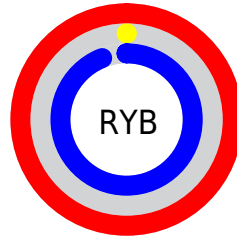
# Distribution



Red (100%)

Green (0%)

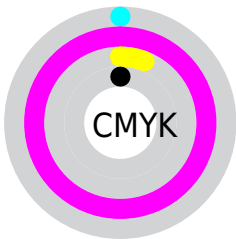
Blue (94%)



Red (100%)

Yellow (0%)

Blue (94%)

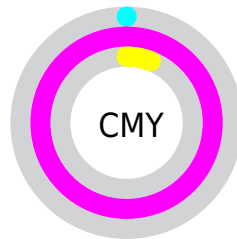


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (0%)



Cyan (0%)

Magenta (100%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9682, 27.5513, 84.7534 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 56.9682, 27.5513, 84.7534 by changing the saturation by 10% instead.




 56.9682, 27.5513,  
84.7534


 56.9682, 27.5513,  
84.7534

403.3462,  
290.3166, 530.9350

 41.2197, 17.9877,  
63.0887


 99.5504, 55.7673,  
141.8997


 28.6793, 10.9412,  
45.4715


 127.1149, 75.1884,  
178.2183

 18.9814, 6.0273,  
31.4833


 159.3487, 98.6642,  
220.2587

 11.7608, 2.8617,  
20.7056

 196.6173,  
126.5790, 268.4393

 6.6520, 1.0599,  
12.7198

 239.2860,  
159.3173, 323.1787

 3.2898, 0.0000,  
7.1075

287.7202,

 1.3088, 0.0000,

197.2634, 384.8954

3.4499

342.2851,  
240.8017, 454.0080

■ 0.1898, 0.0000,  
1.3287

■ 0.0000, 0.0000,  
0.0851

■ 56.9682, 27.5513,  
84.7534

■ 56.9682, 27.5513,  
84.7534

■ 56.9678, 27.5511,  
84.7514

■ 57.5516, 28.3598,  
86.0524

■ 58.6038, 30.1031,  
87.5164

■ 60.2678, 33.0671,  
89.1936

■ 62.6310, 37.4264,  
91.1129

65.7666, 43.3275,  
93.2989

69.7385, 50.8984,  
95.7728

74.6042, 60.2536,  
98.5539

80.4157, 71.4977,  
101.6595

87.2215, 84.7272,  
105.1058

# Harmonies

## Analogous

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



42.3055, 27.5513, 154.7683



56.9682, 27.5513, 84.7534



62.8463, 27.5513, 28.9831

# Triad

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



56.9682, 27.5513, 84.7534



25.8296, 27.5513, 0.0000



9.3261, 27.5513, 88.3591

# Complementary

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



56.9682, 27.5513, 84.7534



35.8472, 71.5550, 12.3759

# 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.



7.5679, 27.5513, 31.0377



56.9682, 27.5513, 84.7534



14.7910, 27.5513, 0.5468

# Square

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



56.9682, 27.5513, 84.7534



41.4559, 27.5513, 0.4429



9.1471, 27.5513, 6.0465



15.2196, 27.5513, 157.8556



# Rectangle

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



56.9682, 27.5513, 84.7534



59.7993, 27.5513, 10.2692



9.1471, 27.5513, 6.0465



8.3487, 27.5513, 65.9775

# Sweetspot

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



56.9688, 27.5524, 84.7539



74.5938, 60.2336, 98.5482



18.2135, 7.3051, 95.0578



15.5031, 12.0005, 20.8342



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.



56.9688, 27.5524, 84.7539



56.9678, 27.5511, 84.7514



44.3222, 22.4938, 18.1582



18.7438, 18.2808, 22.5340



29.7868, 14.4040, 44.3893



2.9137, 1.4079, 4.3931



# Inverse Universe

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



56.9688, 27.5524, 84.7539



56.9678, 27.5511, 84.7514



40.5144, 73.4218, 36.9529



18.7438, 18.2808, 22.5340



29.7868, 14.4040, 44.3893



2.9137, 1.4079, 4.3931



# Previews

## White Background



This preview shows how the XYZ color 56.9682, 27.5513, 84.7534 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

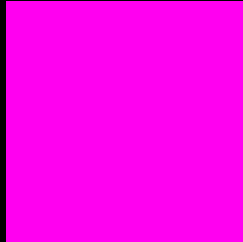
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9682, 27.5513, 84.7534 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 56.9682, 27.5513, 84.7534**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9682, 27.5513, 84.7534.



This preview shows how white text looks on a background with the XYZ color 56.9682, 27.5513,

84.7534.

# 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

56.9682, 27.5513, 84.7534

### Protanopia

31.6947, 28.3936, 98.4178

### Deuteranopia

28.9307, 28.1495, 75.1427



## Tritanopia

42.5786, 27.6263, 15.1449

# Trichromacy



## Original Color

56.9682, 27.5513, 84.7534



## Protanomaly

33.3059, 20.6040, 92.6640



## Deuteranomaly

32.0147, 20.5356, 77.1393



## Tritanomaly

45.2078, 25.0589, 31.7323

# Monochromacy



## Original Color

56.9682, 27.5513, 84.7534



## Achromatopsia

13.1579, 13.8432, 15.0752



## Achromatomaly

21.9961, 13.5673, 31.5964

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9682, 27.5513, 84.7534 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, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 240)  
}
```

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, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9682, 27.5513, 84.7534 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, 0, 240) }
```



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

```
.border{ border-color:rgb(255, 0, 240) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9682, 27.5513, 84.7534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 240) }
```

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

```
.background{ background-color: rgb(255, 0,  
240) }
```

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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