

# Converting Colors

XYZ(57.6417, 30.2952, 80.6718)

Have a look what the booklet for  
XYZ(57.6417, 30.2952, 80.6718)  
contains.

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# Color

**XYZ(57.6552, 30.3284,  
80.6571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3BEA
RGB	255, 59, 234
RGB Percent	100%, 23%, 92%
CMY	0.0000, 0.7686, 0.0824
CMYK	0.00, 0.77, 0.08, 0.00
HSL	306°, 100%, 62%
HSV	306°, 77%, 100%
XYZ	57.6552, 30.3284, 80.6571
YIQ	137.5540, 60.6410, 95.9770

# Conversions

## Conversions Part 2

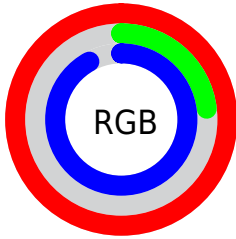
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 59, 234
Decimal	16727018
CIE <sub>Lab</sub>	61.94, 87.32, -46.59
CIE <sub>LCh</sub>	62, 98.974, 331.918
Yxy	30.3284, 0.3419, 0.1798
Android (android.graphics.Color)	4294917098 (0xFFFF3BEA)
YUV	137.5540, 47.5479, 103.0001
Hunter-Lab	55.0712, 90.5007, -48.2860

# Details

The XYZ color **57.6552, 30.3284, 80.6571** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **39.0127, 73.0295, 19.6315**, and the grayscale version is **23.7990, 25.0384, 27.2669**.

A 20% lighter version of the original color is **66.8794, 43.6587, 99.5098**, and **30.2840, 14.6837, 43.3576** is the 20% darker color. If you saturate the color by 10%, you get **56.2599, 28.1610, 78.2705**, and if you desaturate by 10%, it is **59.6972, 33.7792, 83.2898**.

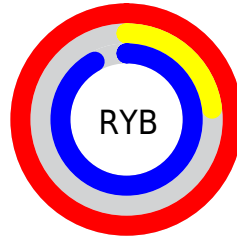
# Distribution



Red (100%)

Green (23%)

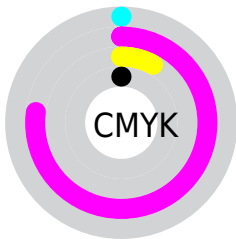
Blue (92%)



Red (100%)

Yellow (23%)

Blue (92%)

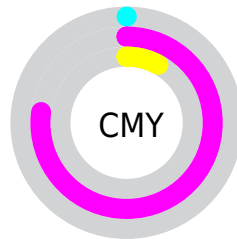


Cyan (0%)

Magenta (77%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (77%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6552, 30.3284, 80.6571 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 57.6552, 30.3284, 80.6571 by changing the saturation by 10% instead.





 57.6552, 30.3284,  
80.6571


 57.6552, 30.3284,  
80.6571


405.8745,  
303.4322, 516.9096


 41.7737, 20.0880,  
59.7299

 100.5464, 60.1811,  
136.1089


 29.1145, 12.4590,  
42.7771


 128.2869, 80.5622,  
171.4706


 19.3121, 7.0571,  
29.3801


 160.7110,  
105.0924, 212.4809

 12.0014, 3.4978,  
19.1205

 198.1842,  
134.1559, 259.5582

 6.8168, 1.3968,  
11.5797

 241.0718,  
168.1373, 313.1212

 3.3931, 0.2144,  
6.3391

289.7391,

 1.3649, 0.0000,

207.4209, 373.5884

2.9803

344.5516,  
252.3910, 441.3784

■ 0.2310, 0.0000,  
1.0846

■ 0.0000, 0.0000,  
0.0000

■ 57.6552, 30.3284,  
80.6571

■ 57.6552, 30.3284,  
80.6571

■ 56.2599, 28.1610,  
78.2705

■ 59.6972, 33.7792,  
83.2898

■ 55.4051, 27.0652,  
76.0934

■ 62.4660, 38.6739,  
86.1944

■ 55.1989, 26.8435,  
75.4364

■ 66.0322, 45.1537,  
89.3950

■ 70.4575, 53.3420,  
92.9123

75.7977, 63.3501,  
96.7648

82.1035, 75.2796,  
100.9698

89.4222, 89.2249,  
105.5430

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.



44.5045, 30.3284, 141.7511



57.6552, 30.3284, 80.6571



62.5250, 30.3284, 30.6395

# Triad

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



57.6552, 30.3284, 80.6571



27.9817, 30.3284, 0.5501



12.1573, 30.3284, 88.5764

# Complementary

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



57.6552, 30.3284, 80.6571



39.0127, 73.0295, 19.6315

# 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.



10.1240, 30.3284, 35.5259



57.6552, 30.3284, 80.6571



17.3448, 30.3284, 1.7387

# Square

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



57.6552, 30.3284, 80.6571



42.5601, 30.3284, 1.4176



11.6839, 30.3284, 9.2067



18.4191, 30.3284, 148.3013



# Rectangle

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



57.6552, 30.3284, 80.6571



59.5126, 30.3284, 12.5869



11.6839, 30.3284, 9.2067



11.0612, 30.3284, 68.4363

# Sweetspot

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



57.6559, 30.3297, 80.6577



78.1136, 67.7198, 98.3445



22.8067, 11.9947, 95.7209



16.2545, 13.6172, 20.7328



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.



57.6559, 30.3297, 80.6577



55.7610, 27.4800, 77.1276



47.3492, 26.2070, 26.3831



18.7039, 18.2649, 22.3237



28.8764, 14.0399, 39.5953



2.8346, 1.3762, 3.9766



# Inverse Universe

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



57.6559, 30.3297, 80.6577



55.7610, 27.4800, 77.1276



45.4608, 75.6087, 53.5866



18.7039, 18.2649, 22.3237



28.8764, 14.0399, 39.5953



2.8346, 1.3762, 3.9766



# Previews

## White Background



This preview shows how the XYZ color 57.6552, 30.3284, 80.6571 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

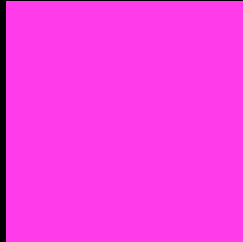
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6552, 30.3284, 80.6571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

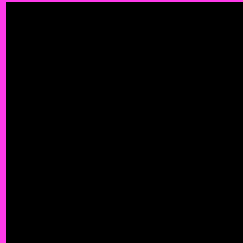
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.6552, 30.3284, 80.6571**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.6552, 30.3284, 80.6571.



This preview shows how white text looks on a background with the XYZ color 57.6552, 30.3284,



# 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

57.6552, 30.3284, 80.6571

### Protanopia

33.8505, 30.8541, 98.7791

### Deuteranopia

31.2698, 30.5669, 72.6585



## Tritanopia

44.7817, 30.1030, 18.4891

# Trichromacy



## Original Color

57.6552, 30.3284, 80.6571



## Protanomaly

36.8239, 26.1450, 91.1013



## Deuteranomaly

36.1213, 26.3066, 75.1254



## Tritanomaly

47.8482, 29.1539, 34.5579

# Monochromacy



## Original Color

57.6552, 30.3284, 80.6571



## Achromatopsia

24.1572, 25.4152, 27.6772



## Achromatomaly

32.0675, 23.7782, 42.4347

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6552, 30.3284, 80.6571 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, 59, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 234)  
}
```

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, 59, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6552, 30.3284, 80.6571 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, 59, 234) }
```



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

```
.border{ border-color:rgb(255, 59, 234) }
```

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

Here you see how a box with a 4 pixel rgb(255, 59, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6552, 30.3284, 80.6571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 234) }
```

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

```
.background{ background-color: rgb(255, 59,  
234) }
```

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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