

# Converting Colors

XYZ(57.9613, 32.3551, 76.3982)

Have a look what the booklet for  
XYZ(57.9613, 32.3551, 76.3982)  
contains.

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# Color

**XYZ(57.9680, 32.3102,  
76.5800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4EE4
RGB	255, 78, 228
RGB Percent	100%, 31%, 89%
CMY	0.0000, 0.6941, 0.1059
CMYK	0.00, 0.69, 0.11, 0.00
HSL	309°, 100%, 65%
HSV	309°, 69%, 100%
XYZ	57.9680, 32.3102, 76.5800
YIQ	148.0230, 57.3420, 84.1740

# Conversions

## Conversions Part 2

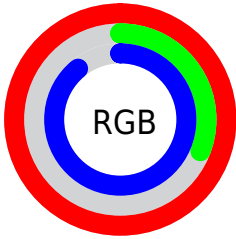
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 78, 228
Decimal	16731876
CIE <sub>Lab</sub>	63.60, 80.92, -40.62
CIE <sub>LCh</sub>	64, 90.547, 333.344
Yxy	32.3102, 0.3474, 0.1936
Android (android.graphics.Color)	4294921956 (0xFFFF4EE4)
YUV	148.0230, 39.4287, 93.8188
Hunter-Lab	56.8421, 82.5622, -40.0885

# Details

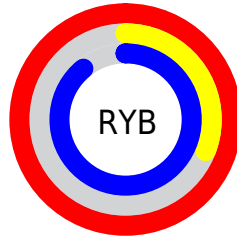
The XYZ color **57.9680, 32.3102, 76.5800** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **41.4529, 74.1602, 25.4965**, and the grayscale version is **27.9837, 29.4410, 32.0613**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **29.6945, 14.4479, 40.2534** is the 20% darker color. If you saturate the color by 10%, you get **55.9604, 29.1495, 73.2766**, and if you desaturate by 10%, it is **60.6910, 36.8821, 80.1825**.

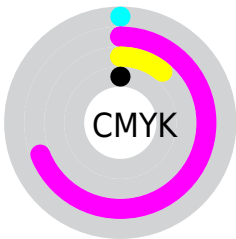
# Distribution



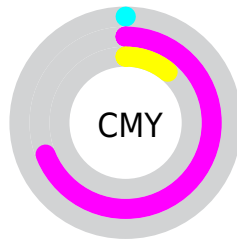
- Red (100%)
- Green (31%)
- Blue (89%)



- Red (100%)
- Yellow (31%)
- Blue (89%)



- Cyan (0%)
- Magenta (69%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (69%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9680, 32.3102, 76.5800 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 57.9680, 32.3102, 76.5800 by changing the saturation by 10% instead.




 57.9680, 32.3102,  
76.5800


 57.9680, 32.3102,  
76.5800


407.0225,  
312.5299, 502.7304


 42.0261, 21.5985,  
56.3987


 100.9995, 63.2971,  
130.3140


 29.3129, 13.5622,  
40.1166


 128.8198, 84.3411,  
164.7039

 19.4631, 7.8168,  
27.3150


 161.3302,  
109.5980, 204.6670

 12.1114, 3.9780,  
17.5754

 198.8962,  
139.4522, 250.6219

 6.8923, 1.6612,  
10.4793

241.8831,  
174.2881, 302.9871

 3.4406, 0.3984,  
5.6081

290.6562,

 1.3908, 0.0000,

214.4901, 362.1813

2.5434

345.5808,  
260.4425, 428.6229

■ 0.2497, 0.0000,  
0.8630

■ 0.0000, 0.0000,  
0.0000

■ 57.9680, 32.3102,  
76.5800

■ 57.9680, 32.3102,  
76.5800

■ 55.9604, 29.1495,  
73.2766

■ 60.6910, 36.8821,  
80.1825

■ 54.5796, 27.2233,  
70.2414

■ 64.1999, 43.0063,  
84.1070

■ 53.6938, 26.2677,  
67.4303

■ 68.5590, 50.8113,  
88.3757

■ 53.6477, 26.2231,  
67.2678

■ 73.8255, 60.4112,  
93.0078

80.0514, 71.9099,  
98.0213

87.2848, 85.4034,  
103.4324

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.



46.1069, 32.3102, 131.3045



57.9680, 32.3102, 76.5800



61.9392, 32.3102, 31.2730

# Triad

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



57.9680, 32.3102, 76.5800



29.3134, 32.3102, 1.3992



14.5472, 32.3102, 89.0141

# Complementary

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



57.9680, 32.3102, 76.5800



41.4529, 74.1602, 25.4965

# 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.



12.2705, 32.3102, 39.4002



57.9680, 32.3102, 76.5800



19.1903, 32.3102, 3.1808

# Square

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



57.9680, 32.3102, 76.5800



42.9605, 32.3102, 2.4308



13.7023, 32.3102, 12.2749



21.0423, 32.3102, 141.3217



# Rectangle

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



57.9680, 32.3102, 76.5800



58.8799, 32.3102, 14.1730



13.7023, 32.3102, 12.2749



13.3584, 32.3102, 70.6149

# Sweetspot

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



57.9687, 32.3115, 76.5806



78.9941, 69.9484, 97.1970



26.5489, 15.6466, 96.2286



16.5283, 14.2690, 20.5032



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.



57.9687, 32.3115, 76.5806



55.3973, 28.3256, 72.1572



48.6954, 28.6022, 27.7482



18.6666, 18.2499, 22.1272



28.0771, 13.7201, 35.3859



2.7646, 1.3482, 3.6076



# Inverse Universe

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



57.9687, 32.3115, 76.5806



55.3973, 28.3256, 72.1572



48.5342, 76.9927, 62.7863



18.6666, 18.2499, 22.1272



28.0771, 13.7201, 35.3859



2.7646, 1.3482, 3.6076



# Previews

## White Background



This preview shows how the XYZ color 57.9680, 32.3102, 76.5800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

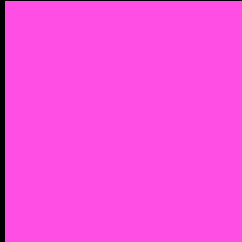
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.9680, 32.3102, 76.5800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

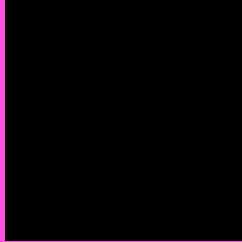
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.9680, 32.3102, 76.5800**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.9680, 32.3102, 76.5800.



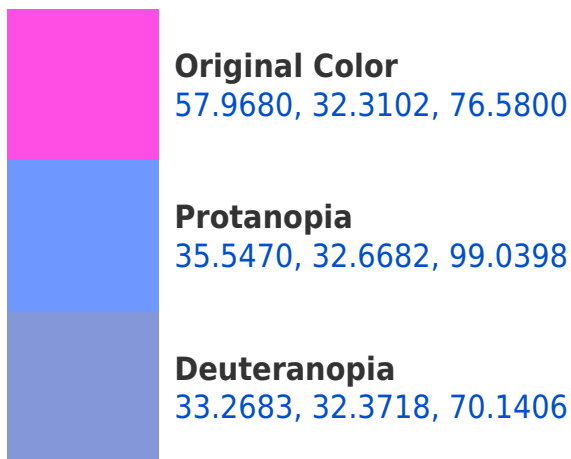
This preview shows how white text looks on a background with the XYZ color 57.9680, 32.3102,



# 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





## Tritanopia

46.4322, 32.1533, 21.2117

# Trichromacy



## Original Color

57.9680, 32.3102, 76.5800



## Protanomaly

38.7933, 28.7944, 89.8994



## Deuteranomaly

38.5162, 29.2348, 72.0195



## Tritanomaly

49.5266, 31.5740, 36.2849

# Monochromacy



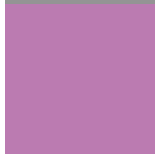
## Original Color

57.9680, 32.3102, 76.5800



## Achromatopsia

28.1479, 29.6138, 32.2495



## Achromatomaly

35.5123, 27.9050, 45.1095

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.9680, 32.3102, 76.5800 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, 78, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 78, 228)  
}
```

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, 78, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 78, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 57.9680, 32.3102, 76.5800 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".

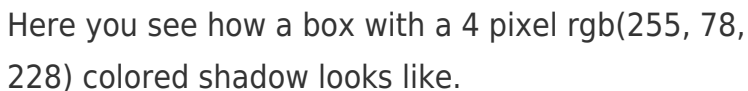
```
.border, #border, table{ border:4px solid rgb(255, 78, 228) }
```



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

```
.border{ border-color:rgb(255, 78, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 78, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 78, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 78, 228); box-shadow:4px 4px 4px 4px rgb(255, 78, 228) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.9680, 32.3102, 76.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 78, 228) }
```

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

```
.background{ background-color: rgb(255, 78,  
228) }
```

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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