

# Converting Colors

XYZ(55.9599, 31.8545, 78.0776)

Have a look what the booklet for  
XYZ(55.9599, 31.8545, 78.0776)  
contains.

<b>XYZ(56.1647, 32.0103, 78.0813)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(56.1647, 32.0103,  
78.0813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F854E6
RGB	248, 84, 230
RGB Percent	97%, 33%, 90%
CMY	0.0274, 0.6706, 0.0980
CMYK	0.00, 0.66, 0.07, 0.03
HSL	307°, 92%, 65%
HSV	307°, 66%, 97%
XYZ	56.1647, 32.0103, 78.0813
YIQ	149.6800, 50.8780, 80.1740

# Conversions

## Conversions Part 2

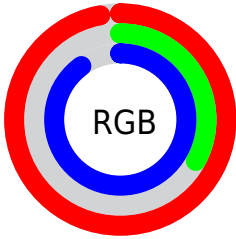
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 84, 230
Decimal	16274662
CIE Lab	63.35, 77.55, -42.20
CIE LCh	63, 88.286, 331.443
Yxy	32.0103, 0.3378, 0.1925
Android (android.graphics.Color)	4294464742 (0xFFFF854E6)
YUV	149.6800, 39.5978, 86.2266
Hunter-Lab	56.5776, 78.1863, -42.2202

# Details

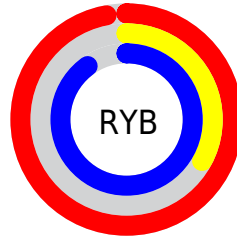
The XYZ color **56.1647, 32.0103, 78.0813** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **39.6234, 69.9803, 23.9919**, and the grayscale version is **28.6784, 30.1719, 32.8572**.

A 20% lighter version of the original color is **69.2633, 48.4265, 100.3044**, and **28.3790, 13.7474, 41.2022** is the 20% darker color. If you saturate the color by 10%, you get **54.1901, 28.6675, 75.5519**, and if you desaturate by 10%, it is **58.8285, 36.7205, 80.8704**.

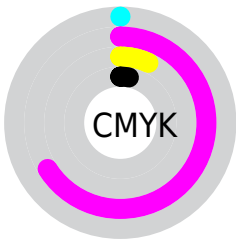
# Distribution



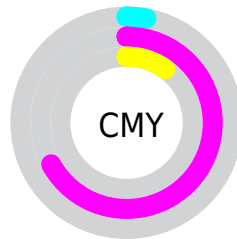
- Red (97%)
- Green (33%)
- Blue (90%)



- Red (97%)
- Yellow (33%)
- Blue (90%)



- Cyan (0%)
- Magenta (66%)
- Yellow (7%)
- Black (3%)




- Cyan (3%)
- Magenta (67%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1647, 32.0103, 78.0813 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 56.1647, 32.0103, 78.0813 by changing the saturation by 10% instead.





 56.1647, 32.0103,  
78.0813


 56.1647, 32.0103,  
78.0813

400.3769,  
311.1662, 507.9781


 40.5725, 21.3694,  
57.6239

 98.3838, 62.8272,  
132.4516

 28.1714, 13.3943,  
41.0937


 125.7413, 83.7720,  
167.2017

 18.5960, 7.7006,  
28.0720


 157.7514,  
108.9202, 207.5530

 11.4810, 3.9040,  
18.1405

 194.7794,  
138.6562, 253.9242

 6.4610, 1.6200,  
10.8804

237.1905,  
173.3644, 306.7337

 3.1707, 0.3710,  
5.8733

285.3503,

 1.2447, 0.0000,

213.4292, 366.4002

2.7007

339.6239,  
259.2350, 433.3422

■ 0.1412, 0.0000,  
0.9438

■ 0.0000, 0.0000,  
0.0000

■ 56.1647, 32.0103,  
78.0813

■ 56.1647, 32.0103,  
78.0813

■ 54.1901, 28.6675,  
75.5519

■ 58.8285, 36.7205,  
80.8704

■ 52.8258, 26.5363,  
73.2549

■ 62.2427, 42.9228,  
83.9391

■ 51.9787, 25.4303,  
71.1595

■ 66.4657, 50.7329,  
87.3070

■ 51.7336, 25.1654,  
70.3833

■ 71.5491, 60.2541,  
90.9916

77.5401, 71.5808,  
95.0087

84.4826, 84.8007,  
99.3731

91.5795, 98.3198,  
103.8192

92.0074, 98.4909,  
106.0726

92.4415, 98.6646,  
108.3586

# Harmonies

## Analogous

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



44.4440, 32.0103, 129.9285



56.1647, 32.0103, 78.0813



60.5775, 32.0103, 33.1820

# Triad

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



56.1647, 32.0103, 78.0813



29.8354, 32.0103, 1.5580



14.4260, 32.0103, 83.2294

# Complementary

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



56.1647, 32.0103, 78.0813



39.6234, 69.9803, 23.9919

# 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.



12.4271, 32.0103, 36.5807



56.1647, 32.0103, 78.0813



19.7154, 32.0103, 3.1645

# Square

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



56.1647, 32.0103, 78.0813



43.1341, 32.0103, 2.8335



14.0683, 32.0103, 11.5258



20.4950, 32.0103, 134.0567



# Rectangle

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



56.1647, 32.0103, 78.0813



58.0445, 32.0103, 15.5485



14.0683, 32.0103, 11.5258



13.3423, 32.0103, 65.7973

# Sweetspot

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



56.1658, 32.0118, 78.0819



79.9945, 71.3104, 99.4997



25.4152, 15.8519, 90.5283



16.7395, 14.5402, 21.0399



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.



56.1658, 32.0118, 78.0819



57.2303, 29.7334, 79.7295



47.3561, 28.4879, 31.6906



17.9061, 17.4898, 21.3614



27.9786, 13.6072, 38.1913



2.6140, 1.2694, 3.6569



# Inverse Universe

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



56.1658, 32.0118, 78.0819



57.2303, 29.7334, 79.7295



45.7100, 72.4150, 56.0435



17.9061, 17.4898, 21.3614



27.9786, 13.6072, 38.1913



2.6140, 1.2694, 3.6569



# Previews

## White Background



This preview shows how the XYZ color 56.1647, 32.0103, 78.0813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

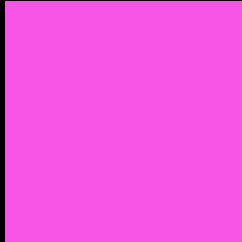
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.1647, 32.0103, 78.0813 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 56.1647, 32.0103, 78.0813**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.1647, 32.0103, 78.0813.



This preview shows how white text looks on a background with the XYZ color 56.1647, 32.0103,



# 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

56.1647, 32.0103, 78.0813

### Protanopia

35.2630, 32.2839, 98.9806

### Deuteranopia

33.0677, 32.2381, 71.4975



## Tritanopia

44.8085, 31.9505, 22.8742

# Trichromacy



## Original Color

56.1647, 32.0103, 78.0813



## Protanomaly

38.5926, 29.0491, 90.7618



## Deuteranomaly

37.9219, 29.2771, 73.4644



## Tritanomaly

47.8368, 31.2457, 38.1601

# Monochromacy



## Original Color

56.1647, 32.0103, 78.0813



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

35.8472, 28.6155, 46.2818

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.1647, 32.0103, 78.0813 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(248, 84, 230)` looks like.

```
.text, #text, p{  
    color:rgb(248, 84, 230)  
}
```

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(248, 84, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 84, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 56.1647, 32.0103, 78.0813 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(248, 84, 230) }
```



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

```
.border{ border-color:rgb(248, 84, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 84, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 84, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 84, 230);  
box-shadow:4px 4px 4px 4px rgb(248, 84,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.1647, 32.0103, 78.0813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 84, 230) }
```

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

```
.background{ background-color: rgb(248, 84,  
230) }
```

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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