

# Converting Colors

XYZ(55.0217, 26.7607, 81.6223)

Have a look what the booklet for  
XYZ(55.0217, 26.7607, 81.6223)  
contains.

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# Color

**XYZ(55.0217, 26.7607,  
81.6223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB09EC
RGB	251, 9, 236
RGB Percent	98%, 4%, 93%
CMY	0.0157, 0.9645, 0.0745
CMYK	0.00, 0.96, 0.06, 0.02
HSL	304°, 97%, 51%
HSV	304°, 96%, 98%
XYZ	55.0217, 26.7607, 81.6223
YIQ	107.2360, 71.3650, 121.9010

# Conversions

## Conversions Part 2

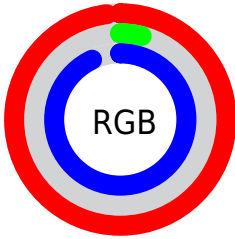
Format	Color
R <sub>Y</sub> B	251, 9, 236
Decimal	16452076
CIE Lab	58.75, 94.50, -52.80
CIE LCh	59, 108.253, 330.808
Yxy	26.7607, 0.3367, 0.1638
Android (android.graphics.Color)	4294642156 (0xFFFB09EC)
YUV	107.2360, 63.4807, 126.0810
Hunter-Lab	51.7307, 99.3268, -57.3380

# Details

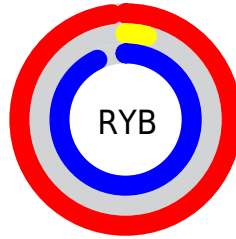
The XYZ color **55.0217, 26.7607, 81.6223** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **34.7762, 69.1198, 12.3752**, and the grayscale version is **13.8634, 14.5854, 15.8835**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **29.1229, 14.0735, 43.8293** is the 20% darker color. If you saturate the color by 10%, you get **54.8432, 26.5331, 81.1616**, and if you desaturate by 10%, it is **55.7279, 27.8089, 82.9783**.

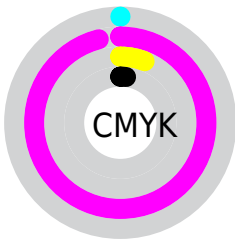
# Distribution



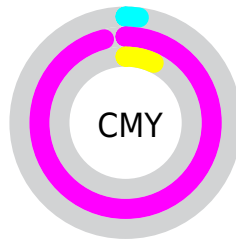
- Red (98%)
- Green (4%)
- Blue (93%)



- Red (98%)
- Yellow (4%)
- Blue (93%)



- Cyan (0%)
- Magenta (96%)
- Yellow (6%)
- Black (2%)



- Cyan (2%)
- Magenta (96%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.0217, 26.7607, 81.6223 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 55.0217, 26.7607, 81.6223 by changing the saturation by 10% instead.





 55.0217, 26.7607,  
81.6223


 55.0217, 26.7607,  
81.6223

396.1293,  
286.4966, 520.2337


 39.6530, 17.3936,  
60.5203

 96.7209, 54.4996,  
137.4761


 27.4511, 10.5155,  
43.4101


 123.7821, 73.6402,  
173.0650


 18.0506, 5.7421,  
29.8732


 155.4715, 96.8074,  
214.3199

 11.0863, 2.6889,  
19.4911

 192.1545,  
124.3857, 261.6594

 6.1926, 0.9716,  
11.8453

 234.1964,  
156.7593, 315.5019

 3.0043, 0.0000,  
6.5172

281.9626,

 1.1560, 0.0000,

194.3127, 376.2661

3.0882

335.8184,  
237.4304, 444.3705

■ 0.0712, 0.0000,  
1.1398

■ 0.0000, 0.0000,  
0.0000

■ 55.0217, 26.7607,  
81.6223

■ 55.0217, 26.7607,  
81.6223

■ 54.8432, 26.5331,  
81.1616

■ 55.7279, 27.8089,  
82.9783

■ 56.9574, 29.9013,  
84.5183

■ 58.8091, 33.2349,  
86.2755

■ 61.3613, 37.9663,  
88.2760

64.6808, 44.2292,  
90.5420

68.8266, 52.1415,  
93.0934

73.8520, 61.8098,  
95.9478

79.8058, 73.3317,  
99.1215

86.7332, 86.7976,  
102.6297

# Harmonies

## Analogous

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



40.9542, 26.7607, 148.6311



55.0217, 26.7607, 81.6223



60.6451, 26.7607, 28.1149

# Triad

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



55.0217, 26.7607, 81.6223



25.0755, 26.7607, 0.0000



9.1589, 26.7607, 85.2372

# Complementary

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



55.0217, 26.7607, 81.6223



34.7762, 69.1198, 12.3752

# 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.



7.4483, 26.7607, 30.1853



55.0217, 26.7607, 81.6223



14.4349, 26.7607, 0.5816

# Square

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



55.0217, 26.7607, 81.6223



40.1002, 26.7607, 0.4749



8.9772, 26.7607, 5.9944



14.8683, 26.7607, 151.7196



# Rectangle

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



55.0217, 26.7607, 81.6223



57.7140, 26.7607, 10.0642



8.9772, 26.7607, 5.9944



8.2091, 26.7607, 63.7757

# Sweetspot

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



55.0227, 26.7620, 81.6228



75.0946, 61.2563, 98.6499



17.8233, 7.3225, 91.7420



15.5954, 12.1918, 20.8441



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.



55.0227, 26.7620, 81.6228



56.8481, 27.5033, 84.1213



43.1479, 22.0121, 19.0908



17.9438, 17.5049, 21.5600



28.8478, 13.9548, 42.7685



2.6855, 1.2979, 4.0332



# Inverse Universe

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



55.0227, 26.7620, 81.6228



56.8481, 27.5033, 84.1213



39.5024, 71.0103, 37.2631



17.9438, 17.5049, 21.5600



28.8478, 13.9548, 42.7685



2.6855, 1.2979, 4.0332



# Previews

## White Background



This preview shows how the XYZ color 55.0217, 26.7607, 81.6223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

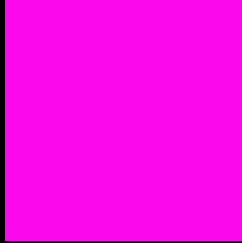
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 55.0217, 26.7607, 81.6223 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 55.0217, 26.7607, 81.6223**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.0217, 26.7607, 81.6223.



This preview shows how white text looks on a background with the XYZ color 55.0217, 26.7607,



# 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

55.0217, 26.7607, 81.6223

### Protanopia

30.9388, 27.5701, 98.2986

### Deuteranopia

28.1133, 27.3293, 72.9006



## Tritanopia

41.0915, 26.7341, 14.7988

# Trichromacy



## Original Color

55.0217, 26.7607, 81.6223



## Protanomaly

32.4475, 20.4513, 91.0443



## Deuteranomaly

31.3854, 20.5200, 74.9796



## Tritanomaly

43.7654, 24.4924, 30.8546

# Monochromacy



## Original Color

55.0217, 26.7607, 81.6223



## Achromatopsia

13.9749, 14.7027, 16.0113



## Achromatomaly

22.3840, 14.2105, 32.1350

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.0217, 26.7607, 81.6223 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(251, 9, 236)` looks like.

```
.text, #text, p{  
    color:rgb(251, 9, 236)  
}
```

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(251, 9, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 9, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 55.0217, 26.7607, 81.6223 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(251, 9, 236) }
```



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

```
.border{ border-color:rgb(251, 9, 236) }
```

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

Here you see how a box with a 4 pixel rgb(251, 9, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 9, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 9, 236);  
box-shadow:4px 4px 4px 4px rgb(251, 9,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.0217, 26.7607, 81.6223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 9, 236) }
```

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

```
.background{ background-color: rgb(251, 9,  
236) }
```

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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