

# Converting Colors

XYZ(51.4345, 27.3459, 60.2088)

Have a look what the booklet for  
XYZ(51.4345, 27.3459, 60.2088)  
contains.

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# Color

**XYZ(51.5005, 27.3759,  
60.3273)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F938CD
RGB	249, 56, 205
RGB Percent	98%, 22%, 80%
CMY	0.0235, 0.7803, 0.1961
CMYK	0.00, 0.78, 0.18, 0.02
HSL	314°, 94%, 60%
HSV	314°, 78%, 98%
XYZ	51.5005, 27.3759, 60.3273
YIQ	130.6930, 67.1990, 87.2550

# Conversions

## Conversions Part 2

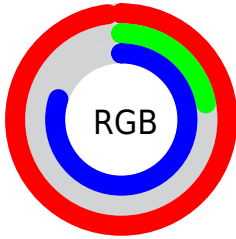
Format	Color
R <sub>Y</sub> B	249, 56, 205
Decimal	16333005
CIE Lab	59.32, 82.97, -34.40
CIE LCh	59, 89.817, 337.478
Yxy	27.3759, 0.3700, 0.1967
Android (android.graphics.Color)	4294523085 (0xFFF938CD)
YUV	130.6930, 36.6334, 103.7552
Hunter-Lab	52.3220, 84.1340, -31.7360

# Details

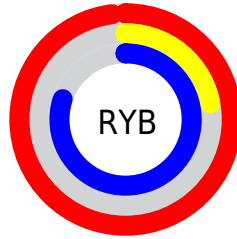
The XYZ color **51.5005, 27.3759, 60.3273** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.8084, 69.5132, 23.4847**, and the grayscale version is **21.3234, 22.4339, 24.4305**.

A 20% lighter version of the original color is **66.3730, 42.6459, 99.3410**, and **26.2441, 12.8934, 29.9596** is the 20% darker color. If you saturate the color by 10%, you get **49.9065, 25.2643, 56.4760**, and if you desaturate by 10%, it is **53.7206, 30.6988, 64.5104**.

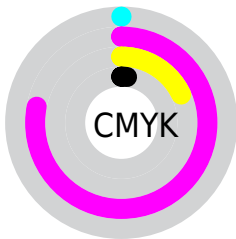
# Distribution



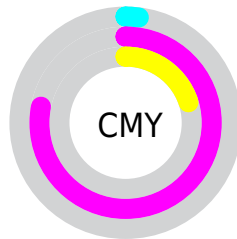
- Red (98%)
- Green (22%)
- Blue (80%)



- Red (98%)
- Yellow (22%)
- Blue (80%)



- Cyan (0%)
- Magenta (78%)
- Yellow (18%)
- Black (2%)



- Cyan (2%)
- Magenta (78%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5005, 27.3759, 60.3273 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 51.5005, 27.3759, 60.3273 by changing the saturation by 10% instead.





 51.5005, 27.3759,  
60.3273


 51.5005, 27.3759,  
60.3273

382.8609,  
289.4726, 443.6412


 36.8297, 17.8557,  
43.2555


 91.5728, 55.4865,  
106.8523


 25.2488, 10.8465,  
29.7527


 117.7050, 74.8457,  
137.1426

 16.3922, 5.9637,  
19.4005


 148.3884, 98.2534,  
172.6761

 9.8947, 2.8230,  
11.7803

 183.9884,  
126.0939, 213.8714

 5.3909, 1.0400,  
6.4735

 224.8703,  
158.7517, 261.1471

 2.5155, 0.0000,  
3.0617

271.3994,

 0.9031, 0.0000,

196.6111, 314.9215

1.1262

323.9412,  
240.0566, 375.6134

■ 0.0000, 0.0000,  
0.0000

■ 51.5005, 27.3759,  
60.3273

■ 51.5005, 27.3759,  
60.3273

■ 49.9065, 25.2643,  
56.4760

■ 53.7206, 30.6988,  
64.5104

■ 48.8325, 24.1539,  
52.9193

■ 56.6425, 35.3858,  
69.0511

■ 48.6070, 23.9558,  
52.0647

■ 60.3341, 41.5713,  
73.9736

■ 64.8540, 49.3726,  
79.2987

■ 70.2555, 58.8955,  
85.0452

76.5869, 70.2365,  
91.2306

83.8931, 83.4850,  
97.8709

92.1479, 98.5882,  
104.9585

92.8771, 98.8798,  
108.7983

# Harmonies

## Analogous

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



41.4959, 27.3759, 110.7565



51.5005, 27.3759, 60.3273



53.8419, 27.3759, 22.4610

# Triad

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



51.5005, 27.3759, 60.3273



23.3093, 27.3759, 0.9245



12.3694, 27.3759, 85.4976

# Complementary

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



51.5005, 27.3759, 60.3273



37.8084, 69.5132, 23.4847

# 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.



9.9445, 27.3759, 38.6036



51.5005, 27.3759, 60.3273



14.9678, 27.3759, 2.7368

# Square

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



51.5005, 27.3759, 60.3273



35.1992, 27.3759, 1.4037



10.7352, 27.3759, 11.8396



18.5938, 27.3759, 131.2112



# Rectangle

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



51.5005, 27.3759, 60.3273



50.2662, 27.3759, 9.4087



10.7352, 27.3759, 11.8396



11.1786, 27.3759, 68.4207

# Sweetspot

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



51.5014, 27.3773, 60.3278



77.0302, 67.2864, 92.6395



23.5322, 12.2563, 90.7484



15.9884, 13.5108, 19.3317



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.



51.5014, 27.3773, 60.3278



51.9884, 25.9016, 57.4752



43.3343, 24.1104, 17.3203



17.8138, 17.4529, 20.8751



26.0752, 12.8458, 28.1679



2.4549, 1.2057, 2.8188



# Inverse Universe

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



51.5014, 27.3773, 60.3278



51.9884, 25.9016, 57.4752



45.2812, 72.5023, 62.8359



17.8138, 17.4529, 20.8751



26.0752, 12.8458, 28.1679



2.4549, 1.2057, 2.8188



# Previews

## White Background



This preview shows how the XYZ color 51.5005, 27.3759, 60.3273 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

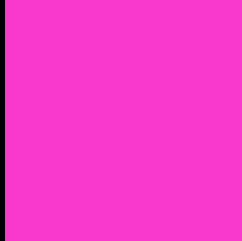
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5005, 27.3759, 60.3273 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 51.5005, 27.3759, 60.3273**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5005, 27.3759, 60.3273.



This preview shows how white text looks on a background with the XYZ color 51.5005, 27.3759,



# 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

51.5005, 27.3759, 60.3273

### Protanopia

31.3071, 27.7599, 98.3159

### Deuteranopia

28.1646, 27.5340, 54.8691



## Tritanopia

42.1017, 27.2548, 14.8461

# Trichromacy



## Original Color

51.5005, 27.3759, 60.3273



## Protanomaly

32.7873, 23.2547, 82.8813



## Deuteranomaly

32.7822, 23.9997, 56.3307



## Tritanomaly

44.4183, 26.6270, 26.8432

# Monochromacy



## Original Color

51.5005, 27.3759, 60.3273



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

28.5774, 21.3679, 34.9660

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5005, 27.3759, 60.3273 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(249, 56, 205)` looks like.

```
.text, #text, p{  
    color:rgb(249, 56, 205)  
}
```

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(249, 56, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 56, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5005, 27.3759, 60.3273 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(249, 56, 205) }
```



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

```
.border{ border-color:rgb(249, 56, 205) }
```

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

Here you see how a box with a 4 pixel rgb(249, 56, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 56, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 56, 205);  
box-shadow:4px 4px 4px 4px rgb(249, 56,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5005, 27.3759, 60.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 56, 205) }
```

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

```
.background{ background-color: rgb(249, 56,  
205) }
```

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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