

# Converting Colors

XYZ(52.2839, 27.1978, 61.7088)

Have a look what the booklet for  
XYZ(52.2839, 27.1978, 61.7088)  
contains.

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# Color

**XYZ(52.1031, 27.1281,  
61.5216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB30CF
RGB	251, 48, 207
RGB Percent	98%, 19%, 81%
CMY	0.0157, 0.8117, 0.1882
CMYK	0.00, 0.81, 0.18, 0.02
HSL	313°, 96%, 59%
HSV	313°, 81%, 98%
XYZ	52.1031, 27.1281, 61.5216
YIQ	126.8230, 69.9490, 92.4850

# Conversions

## Conversions Part 2

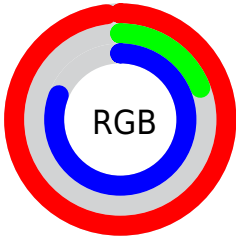
Format	Color
R <sub>YB</sub>	251, 48, 207
Decimal	16462031
CIE Lab	59.09, 85.53, -35.87
CIE LCh	59, 92.751, 337.247
Yxy	27.1281, 0.3702, 0.1927
Android (android.graphics.Color)	4294652111 (0xFFFB30CF)
YUV	126.8230, 39.5273, 108.9032
Hunter-Lab	52.0846, 87.4151, -33.5732

# Details

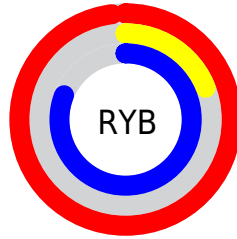
The XYZ color **52.1031, 27.1281, 61.5216** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.6495, 70.3966, 21.7322**, and the grayscale version is **19.9668, 21.0066, 22.8762**.

A 20% lighter version of the original color is **65.7684, 41.4369, 99.1395**, and **26.9027, 13.2141, 30.8384** is the 20% darker color. If you saturate the color by 10%, you get **50.6972, 25.3622, 57.8275**, and if you desaturate by 10%, it is **54.1135, 30.0653, 65.5307**.

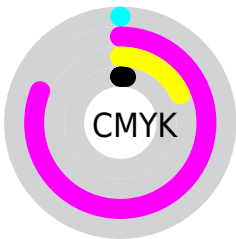
# Distribution



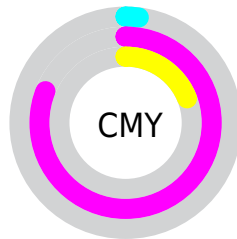
- Red (98%)
- Green (19%)
- Blue (81%)



- Red (98%)
- Yellow (19%)
- Blue (81%)



- Cyan (0%)
- Magenta (81%)
- Yellow (18%)
- Black (2%)



- Cyan (2%)
- Magenta (81%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1031, 27.1281, 61.5216 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 52.1031, 27.1281, 61.5216 by changing the saturation by 10% instead.



52.1031, 27.1281,  
61.5216

52.1031, 27.1281,  
61.5216

385.1519,  
288.2768, 448.1433

37.3119, 17.6695,  
44.2130

92.4566, 55.0894,  
108.5987

25.6238, 10.7129,  
30.4995

118.7496, 74.3608,  
139.2042

16.6736, 5.8742,  
19.9628

149.6072, 97.6719,  
175.0791

10.0959, 2.7687,  
12.1842

185.3947,  
125.4071, 216.6420

5.5254, 1.0122,  
6.7452

226.4776,  
157.9508, 264.3113

2.5966, 0.0000,  
3.2272

273.2212,

0.9442, 0.0000,

195.6874, 318.5055

1.2118

325.9909,  
239.0013, 379.6434

■ 0.0000, 0.0000,  
0.0000

■ 52.1031, 27.1281,  
61.5216

■ 52.1031, 27.1281,  
61.5216

■ 50.6972, 25.3622,  
57.8275

■ 54.1135, 30.0653,  
65.5307

■ 49.8154, 24.5219,  
54.6865

■ 56.8112, 34.3408,  
69.8829

■ 60.2689, 40.0987,  
74.6038

■ 64.5489, 47.4635,  
79.7152

■ 69.7071, 56.5467,  
85.2367

75.7944, 67.4495,  
91.1864

82.8577, 80.2655,  
97.5809

90.9406, 95.0818,  
104.4359

93.5939, 99.2494,  
108.8319

# Harmonies

## Analogous

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



41.6618, 27.1281, 114.3683



52.1031, 27.1281, 61.5216



54.6166, 27.1281, 22.2319

# Triad

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



52.1031, 27.1281, 61.5216



23.0882, 27.1281, 0.6903



11.8584, 27.1281, 87.0281

# Complementary

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



52.1031, 27.1281, 61.5216



37.6495, 70.3966, 21.7322

# 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.



9.4539, 27.1281, 38.2912



52.1031, 27.1281, 61.5216



14.5608, 27.1281, 2.3440

# Square

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



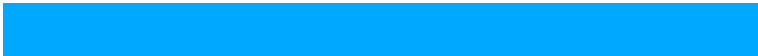
52.1031, 27.1281, 61.5216



35.3427, 27.1281, 1.1544



10.2692, 27.1281, 11.1599



18.1265, 27.1281, 135.2718



# Rectangle

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



52.1031, 27.1281, 61.5216



50.9379, 27.1281, 8.9645



10.2692, 27.1281, 11.1599



10.6720, 27.1281, 69.1760

# Sweetspot

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



52.1040, 27.1295, 61.5221



76.4744, 66.1494, 92.5325



22.8834, 11.3552, 92.2531



15.8867, 13.2953, 19.3348



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.



52.1040, 27.1295, 61.5221



51.9108, 25.6612, 57.7120



43.4185, 23.6553, 15.7847



17.8225, 17.4564, 20.9210



26.2411, 12.9122, 29.0418



2.4689, 1.2113, 2.8928



# Inverse Universe

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



52.1040, 27.1295, 61.5221



51.9108, 25.6612, 57.7120



45.3972, 73.4957, 62.5314



17.8225, 17.4564, 20.9210



26.2411, 12.9122, 29.0418



2.4689, 1.2113, 2.8928



# Previews

## White Background



This preview shows how the XYZ color 52.1031, 27.1281, 61.5216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

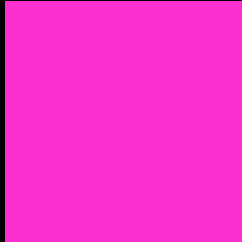
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1031, 27.1281, 61.5216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

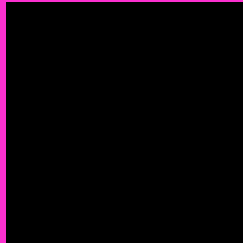
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 52.1031, 27.1281, 61.5216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1031, 27.1281, 61.5216.



This preview shows how white text looks on a background with the XYZ color 52.1031, 27.1281,



# 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

52.1031, 27.1281, 61.5216

### Protanopia

31.1204, 27.6637, 98.3071

### Deuteranopia

27.9794, 27.4255, 55.4487



## Tritanopia

42.1280, 27.0275, 14.0628

# Trichromacy



## Original Color

52.1031, 27.1281, 61.5216



## Protanomaly

32.4407, 22.5921, 83.5398



## Deuteranomaly

32.3611, 23.2968, 56.8240



## Tritanomaly

44.6162, 26.2222, 26.0024

# Monochromacy



## Original Color

52.1031, 27.1281, 61.5216



## Achromatopsia

20.1725, 21.2231, 23.1119



## Achromatomaly

27.3817, 19.9063, 33.8516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1031, 27.1281, 61.5216 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, 48, 207)` looks like.

```
.text, #text, p{  
    color:rgb(251, 48, 207)  
}
```

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, 48, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 48, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1031, 27.1281, 61.5216 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, 48, 207) }
```



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

```
.border{ border-color:rgb(251, 48, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 48, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 48, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 48, 207);  
box-shadow:4px 4px 4px 4px rgb(251, 48,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1031, 27.1281, 61.5216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 48, 207) }
```

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

```
.background{ background-color: rgb(251, 48,  
207) }
```

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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