

Converting Colors

XYZ(53.5001, 27.0437, 63.7785)

Have a look what the booklet for
XYZ(53.5001, 27.0437, 63.7785)
contains.

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Color

**XYZ(53.5417, 27.0509,
64.0274)**

Conversions

Conversions Part 1

Format	Color
Hex	FF21D3
RGB	255, 33, 211
RGB Percent	100%, 13%, 83%
CMY	0.0000, 0.8705, 0.1725
CMYK	0.00, 0.87, 0.17, 0.00
HSL	312°, 100%, 56%
HSV	312°, 87%, 100%
XYZ	53.5417, 27.0509, 64.0274
YIQ	119.6700, 75.1740, 102.4220

Conversions

Conversions Part 2

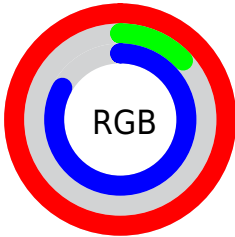
Format	Color
R _Y B	255, 33, 211
Decimal	16720339
CIE Lab	59.02, 89.57, -38.21
CIE LCh	59, 97.382, 336.897
Yxy	27.0509, 0.3702, 0.1870
Android (android.graphics.Color)	4294910419 (0xFFFF21D3)
YUV	119.6700, 45.0257, 118.6844
Hunter-Lab	52.0105, 92.7368, -36.5815

Details

The XYZ color **53.5417, 27.0509, 64.0274** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **37.7283, 72.3799, 19.0076**, and the grayscale version is **17.5957, 18.5121, 20.1596**.

A 20% lighter version of the original color is **65.0842, 40.0683, 98.9114**, and **27.9931, 13.7378, 32.6287** is the 20% darker color. If you saturate the color by 10%, you get **52.4557, 25.8769, 60.5881**, and if you desaturate by 10%, it is **55.1814, 29.2999, 67.7501**.

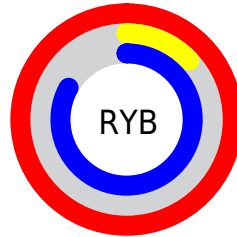
Distribution



Red (100%)

Green (13%)

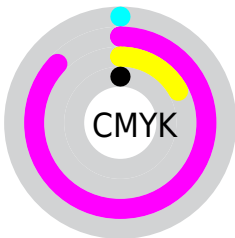
Blue (83%)



Red (100%)

Yellow (13%)

Blue (83%)

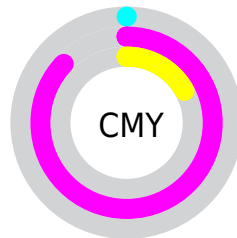


Cyan (0%)

Magenta (87%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (87%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5417, 27.0509, 64.0274 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 53.5417, 27.0509, 64.0274 by changing the saturation by 10% instead.

 53.5417, 27.0509,
64.0274


 53.5417, 27.0509,
64.0274

390.5869,
287.9035, 457.4988

 38.4646, 17.6115,
46.2265

 94.5618, 54.9655,
112.2502


 26.5223, 10.6714,
32.0747


 121.2356, 74.2095,
143.5093

 17.3495, 5.8463,
21.1532


 152.5056, 97.4905,
180.0915

 10.5809, 2.7519,
13.0437

 188.7372,
125.1928, 222.4154

 5.8509, 1.0036,
7.3276

 230.2958,
157.7008, 270.8996

 2.7945, 0.0000,
3.5863

277.5467,

 1.0460, 0.0000,

195.3990, 325.9625

1.4012

330.8553,
238.6718, 388.0227

■ 0.0000, 0.0000,
0.1427

■ 0.0000, 0.0000,
0.0000

■ 53.5417, 27.0509,
64.0274

■ 53.5417, 27.0509,
64.0274

■ 52.4557, 25.8769,
60.5881

■ 55.1814, 29.2999,
67.7501

■ 52.1937, 25.6415,
59.6114

■ 57.4779, 32.8306,
71.7906

■ 60.5146, 37.8093,
76.1780

■ 64.3619, 44.3763,
80.9365

69.0818, 52.6555,
86.0876

74.7300, 62.7581,
91.6507

81.3578, 74.7863,
97.6438

89.0125, 88.8345,
104.0835

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.



42.3307, 27.0509, 121.1149



53.5417, 27.0509, 64.0274



56.3532, 27.0509, 22.1652

Triad

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



53.5417, 27.0509, 64.0274



23.0212, 27.0509, 0.3554



11.2494, 27.0509, 90.1686

Complementary

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



53.5417, 27.0509, 64.0274



37.7283, 72.3799, 19.0076

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.



8.8578, 27.0509, 38.1871



53.5417, 27.0509, 64.0274



14.1345, 27.0509, 1.8557

Square

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



53.5417, 27.0509, 64.0274



35.9449, 27.0509, 0.8521



9.7171, 27.0509, 10.3026



17.6312, 27.0509, 142.7995

Rectangle

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



53.5417, 27.0509, 64.0274



52.4886, 27.0509, 8.4449



9.7171, 27.0509, 10.3026



10.0609, 27.0509, 70.9638

Sweetspot

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



53.5424, 27.0522, 64.0279



75.3788, 63.9285, 92.2593



21.3970, 9.7537, 95.3627



15.6846, 12.8738, 19.3213



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.



53.5424, 27.0522, 64.0279



52.1937, 25.6415, 59.6114



44.2486, 23.3346, 15.0871



18.6292, 18.2350, 21.9307



27.3268, 13.4200, 31.4349



2.6982, 1.3216, 3.2580

Inverse Universe

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



53.5424, 27.0522, 64.0279



52.1937, 25.6415, 59.6114



45.1140, 75.3342, 57.9003



18.6292, 18.2350, 21.9307



27.3268, 13.4200, 31.4349



2.6982, 1.3216, 3.2580

Previews

White Background



This preview shows how the XYZ color 53.5417, 27.0509, 64.0274 looks on a white background.

Color Contrast Check

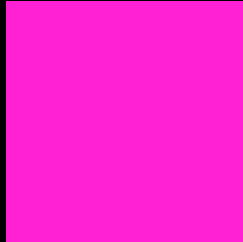
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.5417, 27.0509, 64.0274 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 53.5417, 27.0509, 64.0274

Background



This preview shows how black text looks on a background with the XYZ color 53.5417, 27.0509, 64.0274.



This preview shows how white text looks on a background with the XYZ color 53.5417, 27.0509,

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

53.5417, 27.0509, 64.0274

Protanopia

31.0289, 27.6165, 98.3029

Deuteranopia

27.8863, 27.3379, 57.2331



Tritanopia

42.9962, 27.0016, 13.0709

Trichromacy



Original Color

53.5417, 27.0509, 64.0274



Protanomaly

32.1698, 21.5494, 84.1253



Deuteranomaly

32.3254, 22.4725, 59.1338



Tritanomaly

45.4473, 25.9033, 25.5262

Monochromacy



Original Color

53.5417, 27.0509, 64.0274



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

25.6017, 17.7144, 32.2069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5417, 27.0509, 64.0274 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, 33, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 211)  
}
```

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, 33, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 211) }
```

Border

The CSS property to change the border of an element to XYZ 53.5417, 27.0509, 64.0274 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, 33, 211) }
```


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

```
.border{ border-color:rgb(255, 33, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5417, 27.0509, 64.0274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 211) }
```

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

```
.background{ background-color: rgb(255, 33,  
211) }
```

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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