

Converting Colors

XYZ(54.9157, 28.6244, 68.1060)

Have a look what the booklet for
XYZ(54.9157, 28.6244, 68.1060)
contains.

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Color

**XYZ(54.9482, 28.6374,
68.2771)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33D9
RGB	255, 51, 217
RGB Percent	100%, 20%, 85%
CMY	0.0000, 0.7999, 0.1490
CMYK	0.00, 0.80, 0.15, 0.00
HSL	311°, 100%, 60%
HSV	311°, 80%, 100%
XYZ	54.9482, 28.6374, 68.2771
YIQ	130.9200, 68.2980, 94.8740

Conversions

Conversions Part 2

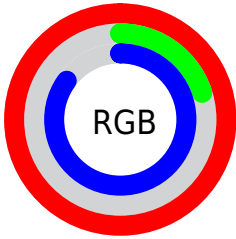
Format	Color
R _Y B	255, 51, 217
Decimal	16724953
CIE Lab	60.46, 86.96, -39.36
CIE LCh	60, 95.448, 335.647
Yxy	28.6374, 0.3618, 0.1886
Android (android.graphics.Color)	4294915033 (0xFFFF33D9)
YUV	130.9200, 42.4374, 108.8182
Hunter-Lab	53.5139, 89.6348, -38.1869

Details

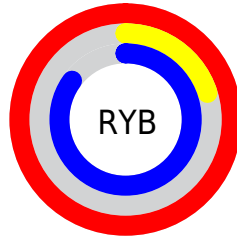
The XYZ color **54.9482, 28.6374, 68.2771** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **38.9297, 72.9457, 21.4824**, and the grayscale version is **21.3838, 22.4975, 24.4997**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **28.7697, 14.0780, 35.3834** is the 20% darker color. If you saturate the color by 10%, you get **53.5140, 26.7436, 64.7944**, and if you desaturate by 10%, it is **57.0114, 31.7606, 72.0578**.

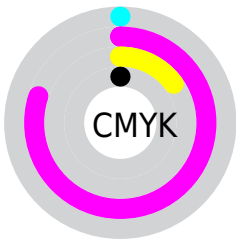
Distribution



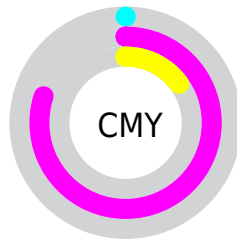
- Red (100%)
- Green (20%)
- Blue (85%)



- Red (100%)
- Yellow (20%)
- Blue (85%)



- Cyan (0%)
- Magenta (80%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (80%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.9482, 28.6374, 68.2771 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 54.9482, 28.6374, 68.2771 by changing the saturation by 10% instead.


 54.9482, 28.6374,
68.2771


 54.9482, 28.6374,
68.2771


395.8552,
295.5002, 473.1019


 39.5939, 18.8067,
49.6551


 96.6138, 57.5005,
118.4064


 27.4049, 11.5307,
34.7702

 123.6559, 77.3017,
150.7508

 18.0157, 6.4250,
23.2038


 155.3246,
101.1951, 188.5065

 11.0610, 3.1052,
14.5373

 191.9853,
129.5652, 232.0919

 6.1755, 1.1869,
8.3523

 234.0033,
162.7964, 281.9256

 2.9937, 0.0510,
4.2302

281.7441,

 1.1505, 0.0000,

201.2730, 338.4261

1.7525

335.5729,
245.3795, 402.0120

■ 0.0667, 0.0000,
0.3963

■ 0.0000, 0.0000,
0.0000

■ 54.9482, 28.6374,
68.2771

■ 54.9482, 28.6374,
68.2771

■ 53.5140, 26.7436,
64.7944

■ 57.0114, 31.7606,
72.0578

■ 52.5639, 25.7898,
61.5599

■ 59.7891, 36.2841,
76.1648

■ 52.5634, 25.7894,
61.5581

■ 63.3553, 42.3557,
80.6238

■ 67.7741, 50.1034,
85.4569

73.1030, 59.6419,
90.6839

79.3945, 71.0758,
96.3231

86.6968, 84.5016,
102.3911

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.



43.4587, 28.6374, 124.9519



54.9482, 28.6374, 68.2771



58.1875, 28.6374, 24.9799

Triad

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



54.9482, 28.6374, 68.2771



24.9575, 28.6374, 0.6472



12.1694, 28.6374, 89.6518

Complementary

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



54.9482, 28.6374, 68.2771



38.9297, 72.9457, 21.4824

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.



9.8159, 28.6374, 38.3324



54.9482, 28.6374, 68.2771



15.6319, 28.6374, 2.1749

Square

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



54.9482, 28.6374, 68.2771



38.1816, 28.6374, 1.2297



10.8587, 28.6374, 10.7615



18.5855, 28.6374, 142.5325

Rectangle

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



54.9482, 28.6374, 68.2771



54.5882, 28.6374, 10.0933



10.8587, 28.6374, 10.7615



10.9816, 28.6374, 70.6431

Sweetspot

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



54.9489, 28.6387, 68.2776



76.7556, 66.2619, 94.0137



23.2980, 11.6838, 95.6350



15.9551, 13.3227, 19.6953



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.



54.9489, 28.6387, 68.2776



52.9086, 26.1046, 62.8299



45.5542, 24.8808, 18.8057



18.6390, 18.2389, 21.9820



27.5176, 13.4964, 32.4400



2.7151, 1.3284, 3.3473

Inverse Universe

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



54.9489, 28.6387, 68.2776



52.9086, 26.1046, 62.8299



46.4645, 75.9596, 61.1601



18.6390, 18.2389, 21.9820



27.5176, 13.4964, 32.4400



2.7151, 1.3284, 3.3473

Previews

White Background



This preview shows how the XYZ color 54.9482, 28.6374, 68.2771 looks on a white background.

Color Contrast Check

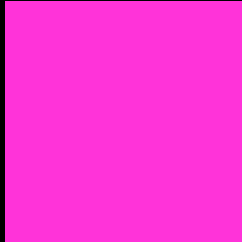
Large Text (above 18pt) WCAG AA ✓ Pass

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 54.9482, 28.6374, 68.2771 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 54.9482, 28.6374, 68.2771

Background



This preview shows how black text looks on a background with the XYZ color 54.9482, 28.6374, 68.2771.



This preview shows how white text looks on a background with the XYZ color 54.9482, 28.6374,

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

54.9482, 28.6374, 68.2771

Protanopia

32.4886, 29.2446, 98.5402

Deuteranopia

29.4502, 28.7143, 61.7478



Tritanopia

43.7494, 28.3571, 15.4795

Trichromacy



Original Color

54.9482, 28.6374, 68.2771



Protanomaly

34.5900, 24.2750, 86.0815



Deuteranomaly

34.0978, 24.5260, 63.2584



Tritanomaly

46.4653, 27.5316, 28.8517

Monochromacy



Original Color

54.9482, 28.6374, 68.2771



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

29.1775, 21.3415, 36.7639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9482, 28.6374, 68.2771 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, 51, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 217)  
}
```

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, 51, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 217) }
```

Border

The CSS property to change the border of an element to XYZ 54.9482, 28.6374, 68.2771 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, 51, 217) }
```


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

```
.border{ border-color:rgb(255, 51, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9482, 28.6374, 68.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 217) }
```

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

```
.background{ background-color: rgb(255, 51,  
217) }
```

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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