

Converting Colors

XYZ(58.7533, 28.8393, 92.3846)

Have a look what the booklet for
XYZ(58.7533, 28.8393, 92.3846)
contains.

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Color

**XYZ(58.7083, 28.8383,
92.0946)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1AF9
RGB	255, 26, 249
RGB Percent	100%, 10%, 98%
CMY	0.0000, 0.8980, 0.0235
CMYK	0.00, 0.90, 0.02, 0.00
HSL	302°, 100%, 55%
HSV	302°, 90%, 100%
XYZ	58.7083, 28.8383, 92.0946
YIQ	119.8930, 64.9010, 117.9010

Conversions

Conversions Part 2

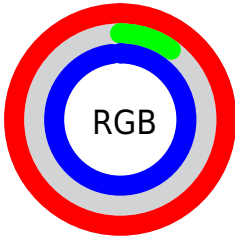
Format	Color
R _{YB}	255, 26, 249
Decimal	16718585
CIE _{Lab}	60.64, 95.48, -57.01
CIE _{LCh}	61, 111.202, 329.160
Y _{xy}	28.8383, 0.3268, 0.1605
Android (android.graphics.Color)	4294908665 (0xFFFF1AF9)
YUV	119.8930, 63.6498, 118.4888
Hunter-Lab	53.7013, 101.1657, -64.0880

Details

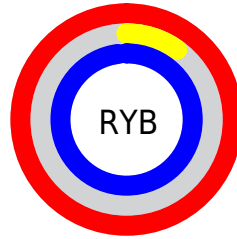
The XYZ color **58.7083, 28.8383, 92.0946** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **36.4476, 71.8443, 13.3144**, and the grayscale version is **17.6113, 18.5285, 20.1775**.

A 20% lighter version of the original color is **64.9744, 39.8489, 98.8748**, and **31.5067, 15.1432, 51.1315** is the 20% darker color. If you saturate the color by 10%, you get **58.2406, 28.0693, 91.4258**, and if you desaturate by 10%, it is **59.6501, 30.5549, 92.9240**.

Distribution



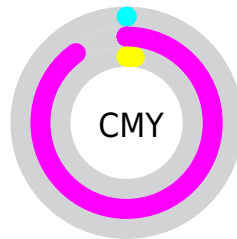
- Red (100%)
- Green (10%)
- Blue (98%)



- Red (100%)
- Yellow (10%)
- Blue (98%)



- Cyan (0%)
- Magenta (90%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (90%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7083, 28.8383, 92.0946 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 58.7083, 28.8383, 92.0946 by changing the saturation by 10% instead.


 58.7083, 28.8383,
92.0946


 58.7083, 28.8383,
92.0946

409.7315,
296.4513, 555.5662


 42.6238, 18.9585,
69.1357

 102.0706, 57.8201,
152.2053

 29.7833, 11.6403,
50.3498


 130.0792, 77.6909,
190.1943

 19.8214, 6.4993,
35.3183


 162.7932,
101.6608, 234.0303

 12.3728, 3.1510,
23.6227

 200.5779,
130.1143, 284.1320

 7.0721, 1.2111,
14.8443

 243.7987,
163.4356, 340.9179

 3.5540, 0.0707,
8.5648

292.8211,

 1.4530, 0.0000,

202.0093, 404.8066

4.3655

348.0102,
246.2197, 476.2165

■ 0.2935, 0.0000,
1.8279

■ 0.0000, 0.0000,
0.4463

■ 58.7083, 28.8383,
92.0946

■ 58.7083, 28.8383,
92.0946

■ 58.2406, 28.0693,
91.4258

■ 59.6501, 30.5549,
92.9240

■ 58.2328, 28.0571,
91.4127

■ 61.2036, 33.4941,
93.9588

■ 63.4562, 37.8310,
95.2284

■ 66.4809, 43.7116,
96.7572

70.3416, 51.2636,
98.5666

75.0956, 60.6014,
100.6755

80.7949, 71.8293,
103.1014

87.4877, 85.0437,
105.8603

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.



43.2309, 28.8383, 163.9697



58.7083, 28.8383, 92.0946



65.4495, 28.8383, 32.5762

Triad

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



58.7083, 28.8383, 92.0946



27.8176, 28.8383, 0.0000



9.6469, 28.8383, 88.0327

Complementary

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



58.7083, 28.8383, 92.0946



36.4476, 71.8443, 13.3144

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.



8.0029, 28.8383, 30.2525



58.7083, 28.8383, 92.0946



16.0136, 28.8383, 0.5202

Square

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



58.7083, 28.8383, 92.0946



44.1900, 28.8383, 0.6342



9.8505, 28.8383, 5.7716



15.5275, 28.8383, 160.4976

Rectangle

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



58.7083, 28.8383, 92.0946



62.7533, 28.8383, 11.9058



9.8505, 28.8383, 5.7716



8.6955, 28.8383, 65.2682

Sweetspot

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



58.7088, 28.8393, 92.0951



76.5914, 63.5454, 101.3210



18.9506, 8.2333, 95.1981



16.0048, 12.8359, 21.5188



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.



58.7088, 28.8393, 92.0951



58.2328, 28.0571, 91.4127



46.1034, 23.7971, 25.7156



18.7709, 18.2917, 22.6767



30.4371, 14.6642, 47.8139



2.9698, 1.4303, 4.6884

Inverse Universe

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



58.7088, 28.8393, 92.0951



58.2328, 28.0571, 91.4127



41.2457, 73.7635, 38.5808



18.7709, 18.2917, 22.6767



30.4371, 14.6642, 47.8139



2.9698, 1.4303, 4.6884

Previews

White Background



This preview shows how the XYZ color 58.7083, 28.8383, 92.0946 looks on a white background.

Color Contrast Check

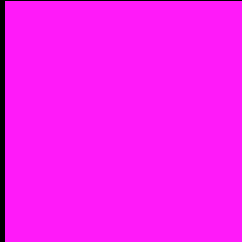
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.7083, 28.8383, 92.0946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

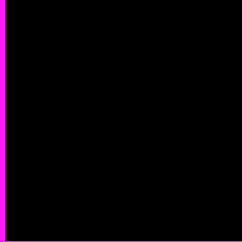
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.7083, 28.8383, 92.0946

Background



This preview shows how black text looks on a background with the XYZ color 58.7083, 28.8383, 92.0946.



This preview shows how white text looks on a background with the XYZ color 58.7083, 28.8383,

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

58.7083, 28.8383, 92.0946

Protanopia

32.4886, 29.2446, 98.5402

Deuteranopia

30.1089, 29.2947, 81.9094



Tritanopia

43.0939, 28.6802, 16.9002

Trichromacy



Original Color

58.7083, 28.8383, 92.0946



Protanomaly

35.4237, 22.9785, 95.4968



Deuteranomaly

33.7567, 22.8025, 84.2835



Tritanomaly

46.2103, 26.6462, 35.0554

Monochromacy



Original Color

58.7083, 28.8383, 92.0946



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

26.6650, 17.8806, 38.6051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7083, 28.8383, 92.0946 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, 26, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 249)  
}
```

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, 26, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 249) }
```

Border

The CSS property to change the border of an element to XYZ 58.7083, 28.8383, 92.0946 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, 26, 249) }
```


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

```
.border{ border-color:rgb(255, 26, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 26, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7083, 28.8383, 92.0946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 249) }
```

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

```
.background{ background-color: rgb(255, 26,  
249) }
```

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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