

Converting Colors

XYZ(58.0803, 28.6981, 94.2983)

Have a look what the booklet for
XYZ(58.0803, 28.6981, 94.2983)
contains.

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Color

**XYZ(58.2321, 28.7567,
94.5769)**

Conversions

Conversions Part 1

Format	Color
Hex	FC20FC
RGB	252, 32, 252
RGB Percent	99%, 13%, 99%
CMY	0.0118, 0.8744, 0.0118
CMYK	0.00, 0.87, 0.00, 0.01
HSL	300°, 97%, 56%
HSV	300°, 87%, 99%
XYZ	58.2321, 28.7567, 94.5769
YIQ	122.8600, 60.5000, 115.0600

Conversions

Conversions Part 2

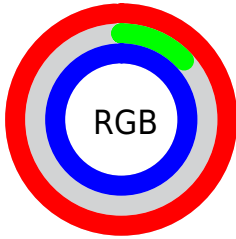
Format	Color
R _Y B	252, 32, 252
Decimal	16523516
CIE Lab	60.57, 94.64, -58.82
CIE LCh	61, 111.424, 328.139
Yxy	28.7567, 0.3207, 0.1584
Android (android.graphics.Color)	4294713596 (0xFFFC20FC)
YUV	122.8600, 63.6660, 113.2558
Hunter-Lab	53.6253, 99.9903, -67.0299

Details

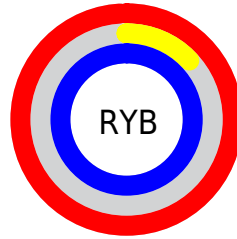
The XYZ color **58.2321, 28.7567, 94.5769** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **35.6681, 70.0337, 13.0058**, and the grayscale version is **18.5673, 19.5342, 21.2728**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **30.9728, 14.8422, 52.2713** is the 20% darker color. If you saturate the color by 10%, you get **57.7903, 27.8721, 94.4297**, and if you desaturate by 10%, it is **59.1902, 30.6719, 94.8966**.

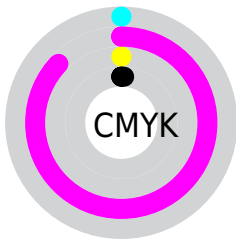
Distribution



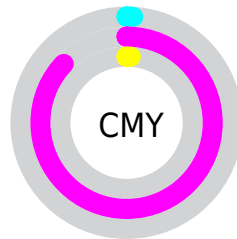
- Red (99%)
- Green (13%)
- Blue (99%)



- Red (99%)
- Yellow (13%)
- Blue (99%)



- Cyan (0%)
- Magenta (87%)
- Yellow (0%)
- Black (1%)





- Cyan (1%)
- Magenta (87%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2321, 28.7567, 94.5769 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 58.2321, 28.7567, 94.5769 by changing the saturation by 10% instead.


 58.2321, 28.7567,
94.5769


 58.2321, 28.7567,
94.5769

407.9902,
296.0653, 563.7593


 42.2393, 18.8968,
71.1879


 101.3818, 57.6903,
155.6705


 29.4806, 11.5958,
52.0128


 129.2694, 77.5328,
194.2122


 19.5908, 6.4691,
36.6330


 161.8525,
101.4717, 238.6419

 12.2045, 3.1323,
24.6299

 199.4967,
129.8914, 289.3781

 6.9563, 1.2012,
15.5850

 242.5672,
163.1761, 346.8395

 3.4809, 0.0627,
9.0798

291.4294,

 1.4129, 0.0000,

201.7105, 411.4444

4.6958

346.4486,
245.8787, 483.6115

■ 0.2654, 0.0000,
2.0143

■ 0.0000, 0.0000,
0.5640

■ 58.2321, 28.7567,
94.5769

■ 58.2321, 28.7567,
94.5769

■ 57.7903, 27.8721,
94.4297

■ 59.1902, 30.6719,
94.8966

■ 57.7163, 27.7241,
94.4050

■ 60.7652, 33.8219,
95.4217

■ 63.0387, 38.3688,
96.1796

■ 66.0790, 44.4494,
97.1932

69.9464, 52.1840,
98.4824

74.6950, 61.6812,
100.0654

80.3745, 73.0402,
101.9587

87.0308, 86.3529,
104.1776

93.4765, 99.2442,
106.3263

Harmonies

Analogous

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



42.5779, 28.7567, 166.1696



58.2321, 28.7567, 94.5769



65.3886, 28.7567, 33.9565

Triad

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



58.2321, 28.7567, 94.5769



28.2411, 28.7567, 0.0000



9.4672, 28.7567, 85.5629

Complementary

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



58.2321, 28.7567, 94.5769



35.6681, 70.0337, 13.0058

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.



7.9497, 28.7567, 28.8069



58.2321, 28.7567, 94.5769



16.2447, 28.7567, 0.4314

Square

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



58.2321, 28.7567, 94.5769



44.7044, 28.7567, 0.6844



9.9174, 28.7567, 5.3373



15.1689, 28.7567, 158.4600

Rectangle

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



58.2321, 28.7567, 94.5769



62.9838, 28.7567, 12.5457



9.9174, 28.7567, 5.3373



8.5623, 28.7567, 63.0493

Sweetspot

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



58.2333, 28.7580, 94.5775



77.4231, 64.7462, 103.0240



18.6841, 8.3697, 92.7277



16.1782, 13.0712, 21.9202



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.



58.2333, 28.7580, 94.5775



59.2898, 28.4799, 96.9787



45.5457, 23.6830, 27.7657



17.9931, 17.5246, 21.8195



30.0646, 14.4415, 49.1758



2.7845, 1.3375, 4.5545

Inverse Universe

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



58.2333, 28.7580, 94.5775



59.2898, 28.4799, 96.9787



40.2904, 71.8826, 37.3461



17.9931, 17.5246, 21.8195



30.0646, 14.4415, 49.1758



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 58.2321, 28.7567, 94.5769 looks on a white background.

Color Contrast Check

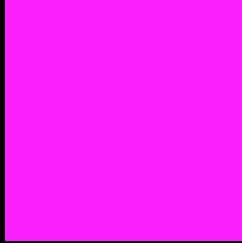
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.2321, 28.7567, 94.5769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

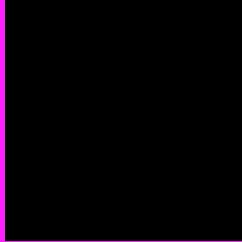
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.2321, 28.7567, 94.5769

Background



This preview shows how black text looks on a background with the XYZ color 58.2321, 28.7567, 94.5769.



This preview shows how white text looks on a background with the XYZ color 58.2321, 28.7567,

94.5769.

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

58.2321, 28.7567, 94.5769

Protanopia

32.3867, 29.1921, 98.5354

Deuteranopia

30.0342, 29.2060, 84.1751



Tritanopia

42.1038, 28.4397, 17.7383

Trichromacy



Original Color

58.2321, 28.7567, 94.5769



Protanomaly

35.5021, 23.4356, 96.4183



Deuteranomaly

33.6563, 22.9980, 86.6696



Tritanomaly

45.7048, 26.7582, 36.4742

Monochromacy



Original Color

58.2321, 28.7567, 94.5769



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

27.4894, 18.7607, 40.2025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2321, 28.7567, 94.5769 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(252, 32, 252)` looks like.

```
.text, #text, p{  
    color:rgb(252, 32, 252)  
}
```

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(252, 32, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 32, 252) }
```

Border

The CSS property to change the border of an element to XYZ 58.2321, 28.7567, 94.5769 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(252, 32, 252) }
```


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

```
.border{ border-color:rgb(252, 32, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 32, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 32, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 32, 252);  
box-shadow:4px 4px 4px 4px rgb(252, 32,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2321, 28.7567, 94.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 32, 252) }
```

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

```
.background{ background-color: rgb(252, 32,  
252) }
```

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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