

Converting Colors

XYZ(58.8139, 32.7143, 97.8224)

Have a look what the booklet for
XYZ(58.8139, 32.7143, 97.8224)
contains.

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Color

**XYZ(58.7235, 32.6671,
97.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	F552FF
RGB	245, 82, 255
RGB Percent	96%, 32%, 100%
CMY	0.0392, 0.6784, 0.0000
CMYK	0.04, 0.68, 0.00, 0.00
HSL	297°, 100%, 66%
HSV	297°, 68%, 100%
XYZ	58.7235, 32.6671, 97.8180
YIQ	150.4590, 41.6150, 88.3590

Conversions

Conversions Part 2

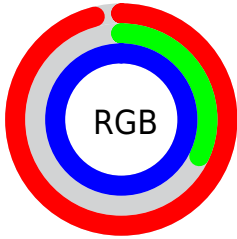
Format	Color
R _Y B	245, 82, 255
Decimal	16077567
CIE Lab	63.89, 81.50, -55.24
CIE LCh	64, 98.456, 325.871
Yxy	32.6671, 0.3104, 0.1727
Android (android.graphics.Color)	4294267647 (0xFFFF552FF)
YUV	150.4590, 51.5387, 82.9125
Hunter-Lab	57.1551, 83.3766, -61.4631

Details

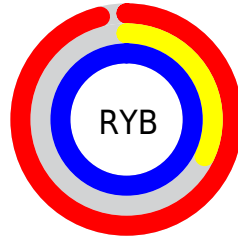
The XYZ color **58.7235, 32.6671, 97.8180** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.6975, 74.4049, 20.1480**, and the grayscale version is **28.9615, 30.4697, 33.1815**.

A 20% lighter version of the original color is **69.1125, 48.1249, 100.2542**, and **30.0856, 14.3455, 54.0066** is the 20% darker color. If you saturate the color by 10%, you get **56.6336, 29.2466, 97.2680**, and if you desaturate by 10%, it is **61.5339, 37.5205, 98.6067**.

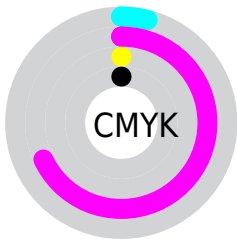
Distribution



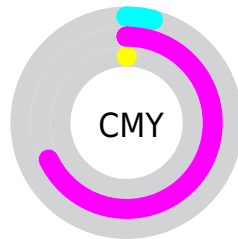
- Red (96%)
- Green (32%)
- Blue (100%)



- Red (96%)
- Yellow (32%)
- Blue (100%)



- Cyan (4%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7235, 32.6671, 97.8180 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 58.7235, 32.6671, 97.8180 by changing the saturation by 10% instead.


 58.7235, 32.6671,
97.8180


 58.7235, 32.6671,
97.8180

409.7870,
314.1470, 574.3609


 42.6361, 21.8715,
73.8728


 102.0926, 63.8554,
160.1810

 29.7930, 13.7625,
54.1938


 130.1050, 85.0170,
199.4359

 19.8288, 7.9557,
38.3624

 162.8232,
110.4027, 244.6311

 12.3782, 4.0666,
25.9601

 200.6124,
140.3969, 296.1852

 7.0758, 1.7109,
16.5683

243.8380,
175.3841, 354.5167

 3.5563, 0.4307,
9.7685

292.8654,

 1.4543, 0.0000,

215.7486, 420.0441

5.1421

348.0600,
261.8747, 493.1860

■ 0.2944, 0.0000,
2.2707

■ 0.0000, 0.0000,
0.7147

■ 58.7235, 32.6671,
97.8180

■ 58.7235, 32.6671,
97.8180

■ 56.6336, 29.2466,
97.2680

■ 61.5339, 37.5205,
98.6067

■ 55.1768, 27.0872,
96.9280

■ 65.1320, 43.9443,
99.6570

■ 54.2424, 25.9666,
96.7609

■ 69.5816, 52.0648,
100.9899

■ 54.0743, 25.7912,
96.7359

■ 74.9386, 61.9942,
102.6241

■ 81.2545, 73.8351,
104.5768

■ 88.5766, 87.6824,
106.8637

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.



44.1798, 32.6671, 157.7974



58.7235, 32.6671, 97.8180



65.9070, 32.6671, 41.3485

Triad

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



58.7235, 32.6671, 97.8180



33.0065, 32.6671, 0.8359



12.7222, 32.6671, 80.3088

Complementary

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



58.7235, 32.6671, 97.8180



41.6975, 74.4049, 20.1480

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.



11.3411, 32.6671, 30.3547



58.7235, 32.6671, 97.8180



20.8179, 32.6671, 1.6164

Square

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



58.7235, 32.6671, 97.8180



48.5164, 32.6671, 2.4215



13.8097, 32.6671, 7.6431



18.3757, 32.6671, 143.4289

Rectangle

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



58.7235, 32.6671, 97.8180



64.3567, 32.6671, 18.5223



13.8097, 32.6671, 7.6431



11.8314, 32.6671, 60.7698

Sweetspot

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



58.7247, 32.6685, 97.8183



79.8067, 71.1110, 104.1273



25.4923, 16.9381, 96.5335



16.6935, 14.4915, 22.1672



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.



58.7247, 32.6685, 97.8183



56.1091, 28.4367, 97.1393



52.4998, 30.5925, 46.3374



18.6829, 18.2438, 22.7867



28.2997, 13.4995, 50.5487



2.7858, 1.3300, 4.9232

Inverse Universe

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



46.1899, 28.0685, 13.1098



43.1413, 23.7413, 6.6376



45.3236, 75.7475, 44.1172



18.0519, 18.0041, 18.8906



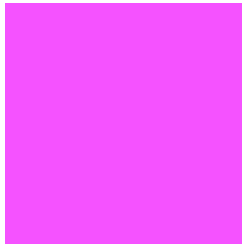
21.6095, 11.1331, 1.3282



2.1183, 1.0897, 0.2045

Previews

White Background



This preview shows how the XYZ color 58.7235, 32.6671, 97.8180 looks on a white background.

Color Contrast Check

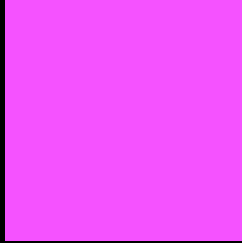
Large Text (above 18pt) WCAG AA × Fail

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 58.7235, 32.6671, 97.8180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

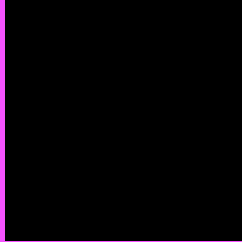
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.7235, 32.6671, 97.8180

Background



This preview shows how black text looks on a background with the XYZ color 58.7235, 32.6671, 97.8180.



This preview shows how white text looks on a background with the XYZ color 58.7235, 32.6671,

97.8180.

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

58.7235, 32.6671, 97.8180

Protanopia

35.8338, 33.0560, 99.0995

Deuteranopia

33.9624, 33.0396, 89.3813



Tritanopia

43.6894, 32.3808, 25.4202

Trichromacy



Original Color

58.7235, 32.6671, 97.8180



Protanomaly

40.1366, 29.8723, 98.2582



Deuteranomaly

38.4123, 29.3218, 91.6308



Tritanomaly

47.3551, 31.3121, 44.6223

Monochromacy



Original Color

58.7235, 32.6671, 97.8180



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

36.4183, 28.6124, 51.1802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7235, 32.6671, 97.8180 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(245, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 82, 255)  
}
```

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(245, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 82, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.7235, 32.6671, 97.8180 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(245, 82, 255) }
```


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

```
.border{ border-color:rgb(245, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 82,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7235, 32.6671, 97.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 82, 255) }
```

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

```
.background{ background-color: rgb(245, 82,  
255) }
```

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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