

Converting Colors

XYZ(59.1885, 33.2189, 81.7106)

Have a look what the booklet for
XYZ(59.1885, 33.2189, 81.7106)
contains.

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Color

**XYZ(59.2527, 33.2927,
81.9004)**

Conversions

Conversions Part 1

Format	Color
Hex	FF52EB
RGB	255, 82, 235
RGB Percent	100%, 32%, 92%
CMY	0.0000, 0.6784, 0.0784
CMYK	0.00, 0.68, 0.08, 0.00
HSL	307°, 100%, 66%
HSV	307°, 68%, 100%
XYZ	59.2527, 33.2927, 81.9004
YIQ	151.1690, 53.9950, 84.2590

Conversions

Conversions Part 2

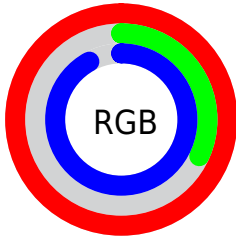
Format	Color
R _Y B	255, 82, 235
Decimal	16732907
CIE Lab	64.40, 80.59, -43.27
CIE LCh	64, 91.473, 331.767
Yxy	33.2927, 0.3397, 0.1908
Android (android.graphics.Color)	4294922987 (0xFFFF52EB)
YUV	151.1690, 41.3287, 91.0598
Hunter-Lab	57.6998, 82.3293, -43.7676

Details

The XYZ color **59.2527, 33.2927, 81.9004** 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 **41.6391, 74.2737, 24.7141**, and the grayscale version is **29.3018, 30.8277, 33.5714**.

A 20% lighter version of the original color is **69.1125, 48.1249, 100.2542**, and **30.3848, 14.7240, 43.8884** is the 20% darker color. If you saturate the color by 10%, you get **57.2519, 29.9670, 79.1497**, and if you desaturate by 10%, it is **61.9759, 38.0517, 84.9275**.

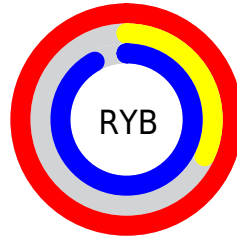
Distribution



Red (100%)

Green (32%)

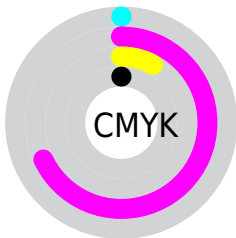
Blue (92%)



Red (100%)

Yellow (32%)

Blue (92%)

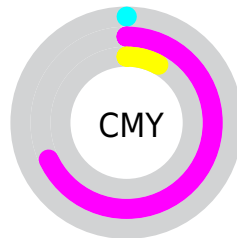


Cyan (0%)

Magenta (68%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (68%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2527, 33.2927, 81.9004 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 59.2527, 33.2927, 81.9004 by changing the saturation by 10% instead.


 59.2527, 33.2927,
81.9004


 59.2527, 33.2927,
81.9004

411.7168,
316.9666, 521.1892


 43.0637, 22.3508,
60.7481


 102.8574, 64.8322,
137.8697


 30.1299, 14.1149,
43.5927


 131.0038, 86.1986,
173.5239

 20.0857, 8.2006,
30.0156


 163.8667,
111.8086, 214.8490

 12.5660, 4.2236,
19.5983

 201.8116,
142.0466, 262.2638

 7.2053, 1.7994,
11.9222

245.2036,
177.2970, 316.1866

 3.6383, 0.4868,
6.5688

294.4083,

 1.4996, 0.0000,

217.9442, 377.0361

3.1196

349.7909,
264.3726, 445.2308

■ 0.3256, 0.0000,
1.1560

■ 0.0000, 0.0000,
0.0000

■ 59.2527, 33.2927,
81.9004

■ 59.2527, 33.2927,
81.9004

■ 57.2519, 29.9670,
79.1497

■ 61.9759, 38.0517,
84.9275

■ 55.8876, 27.9034,
76.6455

■ 65.4904, 44.3820,
88.2530

■ 55.0487, 26.8792,
74.3509

■ 69.8593, 52.4097,
91.8984

■ 54.9016, 26.7246,
73.8711

■ 75.1387, 62.2470,
95.8827

81.3801, 73.9966,
100.2231

88.6308, 87.7534,
104.9355

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.



46.7539, 33.2927, 137.8982



59.2527, 33.2927, 81.9004



63.8791, 33.2927, 34.0825

Triad

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



59.2527, 33.2927, 81.9004



30.8775, 33.2927, 1.4300



14.7628, 33.2927, 88.6768

Complementary

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



59.2527, 33.2927, 81.9004



41.6391, 74.2737, 24.7141

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.



12.6244, 33.2927, 38.5077



59.2527, 33.2927, 81.9004



20.2000, 33.2927, 3.0659

Square

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



59.2527, 33.2927, 81.9004



45.0397, 33.2927, 2.6591



14.3030, 33.2927, 11.7961



21.2082, 33.2927, 143.3598

Rectangle

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



59.2527, 33.2927, 81.9004



61.0862, 33.2927, 15.6190



14.3030, 33.2927, 11.7961



13.6108, 33.2927, 69.9056

Sweetspot

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



59.2534, 33.2940, 81.9010



79.9480, 71.2918, 99.2545



26.2472, 15.9258, 96.2984



16.7282, 14.5357, 20.9803



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.



59.2534, 33.2940, 81.9010



56.7563, 29.1873, 78.3331



49.8605, 29.5369, 32.4388



18.6969, 18.2621, 22.2870



28.7233, 13.9786, 38.7892



2.8213, 1.3709, 3.9062

Inverse Universe

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



59.2534, 33.2940, 81.9010



56.7563, 29.1873, 78.3331



48.0824, 76.8510, 58.6443



18.6969, 18.2621, 22.2870



28.7233, 13.9786, 38.7892



2.8213, 1.3709, 3.9062

Previews

White Background



This preview shows how the XYZ color 59.2527, 33.2927, 81.9004 looks on a white background.

Color Contrast Check

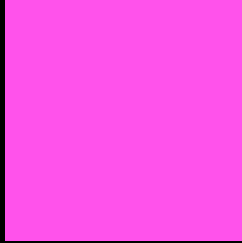
Large Text (above 18pt) WCAG AA × Fail

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 59.2527, 33.2927, 81.9004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

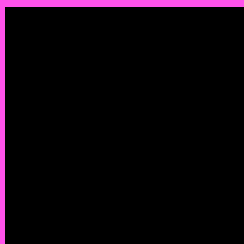
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.2527, 33.2927, 81.9004

Background



This preview shows how black text looks on a background with the XYZ color 59.2527, 33.2927, 81.9004.



This preview shows how white text looks on a background with the XYZ color 59.2527, 33.2927,

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

59.2527, 33.2927, 81.9004

Protanopia

36.3807, 33.5799, 99.1718

Deuteranopia

34.3818, 33.5703, 75.1886



Tritanopia

46.8456, 33.0007, 22.9695

Trichromacy



Original Color

59.2527, 33.2927, 81.9004



Protanomaly

40.0497, 29.9554, 92.4781



Deuteranomaly

39.4020, 30.1537, 77.1423



Tritanomaly

50.0089, 32.3551, 38.7314

Monochromacy



Original Color

59.2527, 33.2927, 81.9004



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

36.8906, 29.1179, 47.9319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2527, 33.2927, 81.9004 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, 82, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 235)  
}
```

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, 82, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 235) }
```

Border

The CSS property to change the border of an element to XYZ 59.2527, 33.2927, 81.9004 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, 82, 235) }
```


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

```
.border{ border-color:rgb(255, 82, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 82, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2527, 33.2927, 81.9004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 235) }
```

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

```
.background{ background-color: rgb(255, 82,  
235) }
```

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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