

Converting Colors

XYZ(59.3961, 33.2908, 82.8381)

Have a look what the booklet for
XYZ(59.3961, 33.2908, 82.8381)
contains.

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Color

**XYZ(59.3976, 33.3507,
82.6636)**

Conversions

Conversions Part 1

Format	Color
Hex	FF52EC
RGB	255, 82, 236
RGB Percent	100%, 32%, 93%
CMY	0.0000, 0.6784, 0.0745
CMYK	0.00, 0.68, 0.07, 0.00
HSL	307°, 100%, 66%
HSV	307°, 68%, 100%
XYZ	59.3976, 33.3507, 82.6636
YIQ	151.2830, 53.6740, 84.5700

Conversions

Conversions Part 2

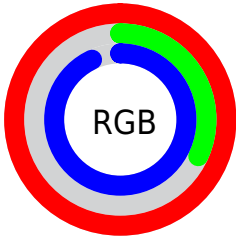
Format	Color
R _Y B	255, 82, 236
Decimal	16732908
CIE Lab	64.44, 80.74, -43.76
CIE LCh	64, 91.831, 331.544
Yxy	33.3507, 0.3386, 0.1901
Android (android.graphics.Color)	4294922988 (0xFFFF52EC)
YUV	151.2830, 41.7655, 90.9598
Hunter-Lab	57.7501, 82.5298, -44.4428

Details

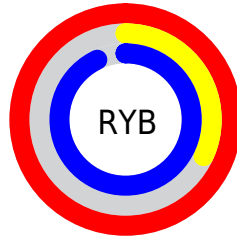
The XYZ color **59.3976, 33.3507, 82.6636** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.5898, 74.2540, 24.4545**, and the grayscale version is **29.3488, 30.8773, 33.6253**.

A 20% lighter version of the original color is **69.2633, 48.4265, 100.3044**, and **30.4864, 14.7646, 44.4231** is the 20% darker color. If you saturate the color by 10%, you get **57.4155, 30.0325, 80.0113**, and if you desaturate by 10%, it is **62.1015, 38.1020, 85.5887**.

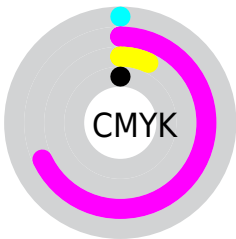
Distribution



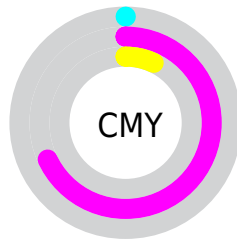
- Red (100%)
- Green (32%)
- Blue (93%)



- Red (100%)
- Yellow (32%)
- Blue (93%)



- Cyan (0%)
- Magenta (68%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3976, 33.3507, 82.6636 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 59.3976, 33.3507, 82.6636 by changing the saturation by 10% instead.


 59.3976, 33.3507,
82.6636


 59.3976, 33.3507,
82.6636


412.2442,
317.2271, 523.8063


 43.1809, 22.3952,
61.3737


 103.0666, 64.9227,
138.9492


 30.2222, 14.1476,
44.0943

 131.2497, 86.3080,
174.7820

 20.1562, 8.2234,
30.4069


 164.1522,
111.9387, 216.2995

 12.6176, 4.2382,
19.8930

 202.1395,
142.1992, 263.9202

 7.2409, 1.8077,
12.1340

245.5770,
177.4739, 318.0627

 3.6609, 0.4920,
6.7113

294.8300,

 1.5121, 0.0000,

218.1472, 379.1455

3.2065

350.2640,
264.6034, 447.5872

■ 0.3341, 0.0000,
1.2010

■ 0.0000, 0.0000,
0.0000

■ 59.3976, 33.3507,
82.6636

■ 59.3976, 33.3507,
82.6636

■ 57.4155, 30.0325,
80.0113

■ 62.1015, 38.1020,
85.5887

■ 56.0693, 27.9761,
77.6019

■ 65.5960, 44.4243,
88.8086

■ 55.2477, 26.9588,
75.3987

■ 69.9441, 52.4437,
92.3449

■ 55.1042, 26.8057,
74.9381

■ 75.2022, 62.2725,
96.2163

■ 81.4214, 74.0133,
100.4402

■ 88.6493, 87.7610,
105.0324

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.



46.7848, 33.3507, 138.9945



59.3976, 33.3507, 82.6636



64.1287, 33.3507, 34.4036

Triad

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



59.3976, 33.3507, 82.6636



31.0248, 33.3507, 1.4039



14.7150, 33.3507, 88.6286

Complementary

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



59.3976, 33.3507, 82.6636



41.5898, 74.2540, 24.4545

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.



12.5996, 33.3507, 38.2922



59.3976, 33.3507, 82.6636



20.2641, 33.3507, 3.0042

Square

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



59.3976, 33.3507, 82.6636



45.2771, 33.3507, 2.6500



14.3117, 33.3507, 11.6474



21.1492, 33.3507, 143.8061

Rectangle

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



59.3976, 33.3507, 82.6636



61.3692, 33.3507, 15.7439



14.3117, 33.3507, 11.6474



13.5698, 33.3507, 69.7630

Sweetspot

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



59.3983, 33.3521, 82.6642



79.9940, 71.3102, 99.4970



26.2472, 15.9259, 96.2984



16.7394, 14.5402, 21.0393



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.



59.3983, 33.3521, 82.6642



56.9257, 29.2550, 79.2251



49.8605, 29.5369, 32.4389



18.7017, 18.2640, 22.3120



28.8277, 14.0204, 39.3388



2.8304, 1.3745, 3.9542

Inverse Universe

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



59.3983, 33.3521, 82.6642



56.9257, 29.2550, 79.2251



48.0825, 76.8510, 58.6444



18.7017, 18.2640, 22.3120



28.8277, 14.0204, 39.3388



2.8304, 1.3745, 3.9542

Previews

White Background



This preview shows how the XYZ color 59.3976, 33.3507, 82.6636 looks on a white background.

Color Contrast Check

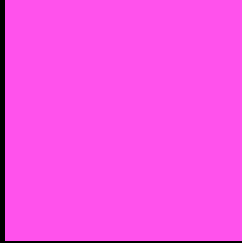
Large Text (above 18pt) WCAG AA × Fail

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 59.3976, 33.3507, 82.6636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

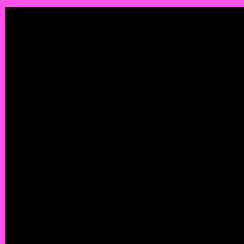
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3976, 33.3507, 82.6636

Background



This preview shows how black text looks on a background with the XYZ color 59.3976, 33.3507, 82.6636.

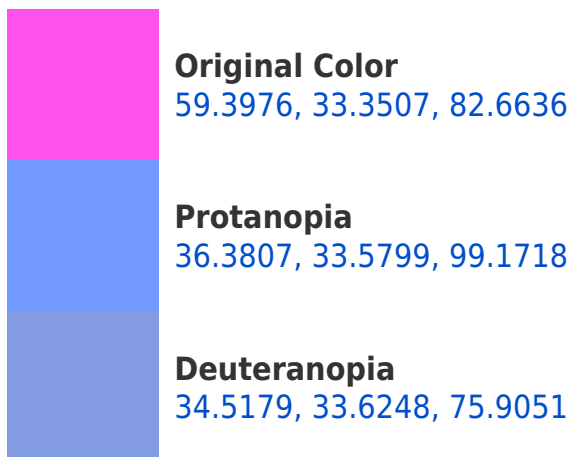


This preview shows how white text looks on a background with the XYZ color 59.3976, 33.3507,

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





Tritanopia

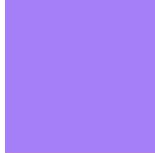
46.8456, 33.0007, 22.9695

Trichromacy



Original Color

59.3976, 33.3507, 82.6636



Protanomaly

40.0497, 29.9554, 92.4781



Deuteranomaly

39.5412, 30.2094, 77.8757



Tritanomaly

50.0996, 32.3914, 39.2089

Monochromacy



Original Color

59.3976, 33.3507, 82.6636



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 59.3976, 33.3507, 82.6636 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 236) }
```

Border

The CSS property to change the border of an element to XYZ 59.3976, 33.3507, 82.6636 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, 236) }
```


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

```
.border{ border-color:rgb(255, 82, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3976, 33.3507, 82.6636 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, 236) }
```

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

```
.background{ background-color: rgb(255, 82,  
236) }
```

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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