

Converting Colors

XYZ(48.2386, 25.9516, 33.1632)

Have a look what the booklet for
XYZ(48.2386, 25.9516, 33.1632)
contains.

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Color

**XYZ(48.2566, 25.9607,
33.0394)**

Conversions

Conversions Part 1

Format	Color
Hex	FF339A
RGB	255, 51, 154
RGB Percent	100%, 20%, 60%
CMY	0.0000, 0.7999, 0.3961
CMYK	0.00, 0.80, 0.40, 0.00
HSL	330°, 100%, 60%
HSV	330°, 80%, 100%
XYZ	48.2566, 25.9607, 33.0394
YIQ	123.7380, 88.5210, 75.2810

Conversions

Conversions Part 2

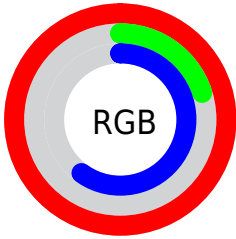
Format	Color
R _Y B	255, 51, 154
Decimal	16724890
CIE Lab	58.00, 79.92, -6.81
CIE LCh	58, 80.206, 355.129
Yxy	25.9607, 0.4499, 0.2420
Android (android.graphics.Color)	4294914970 (0xFFFF339A)
YUV	123.7380, 14.9192, 115.1168
Hunter-Lab	50.9516, 79.8930, -2.7802

Details

The XYZ color **48.2566, 25.9607, 33.0394** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **42.7948, 74.4917, 41.8351**, and the grayscale version is **19.0048, 19.9945, 21.7741**.

A 20% lighter version of the original color is **59.2220, 39.0077, 64.0824**, and **24.4405, 12.3167, 13.9212** is the 20% darker color. If you saturate the color by 10%, you get **46.4344, 23.9118, 27.5138**, and if you desaturate by 10%, it is **50.8007, 29.2765, 39.3518**.

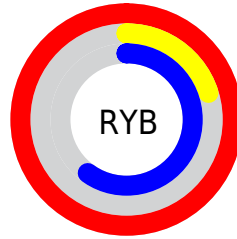
Distribution



Red (100%)

Green (20%)

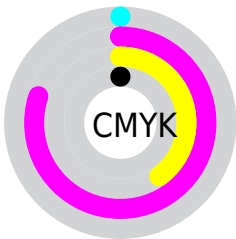
Blue (60%)



Red (100%)

Yellow (20%)

Blue (60%)

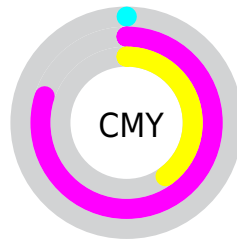


Cyan (0%)

Magenta (80%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2566, 25.9607, 33.0394 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 48.2566, 25.9607, 33.0394 by changing the saturation by 10% instead.


 48.2566, 25.9607,
33.0394


 48.2566, 25.9607,
33.0394


370.3740,
282.5891, 330.4647

 34.2422, 16.7942,
21.8853


 86.7937, 53.2115,
65.5538


 23.2435, 10.0879,
13.5751


 112.0472, 72.0647,
87.7511


 14.8951, 5.4573,
7.6904


 141.7777, 94.9156,
114.4665

 8.8316, 2.5180,
3.8126

 176.3507,
122.1485, 146.1186

 4.6878, 0.8856,
1.5231

 216.1315,
154.1480, 183.1260

 2.0981, 0.0000,
0.2350

261.4854,

 0.6882, 0.0000,

191.2983, 225.9071

0.0000

312.7778,
233.9839, 274.8805

■ 0.0000, 0.0000,
0.0000

■ 48.2566, 25.9607,
33.0394

■ 48.2566, 25.9607,
33.0394

■ 46.4344, 23.9118,
27.5138

■ 50.8007, 29.2765,
39.3518

■ 45.1859, 22.8386,
22.7081

■ 54.1551, 34.0307,
46.4960

■ 45.1852, 22.8381,
22.7054

■ 58.3971, 40.3727,
54.5133

■ 63.5935, 48.4315,
63.4407

■ 69.8045, 58.3229,
73.3127

■ 77.0853, 70.1527,
84.1613

■ 85.4867, 84.0182,
96.0169

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.



43.3138, 25.9607, 71.0121



48.2566, 25.9607, 33.0394



45.6548, 25.9607, 11.1343

Triad

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



48.2566, 25.9607, 33.0394



17.5843, 25.9607, 2.2609



15.4893, 25.9607, 98.4399

Complementary

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



48.2566, 25.9607, 33.0394



42.7948, 74.4917, 41.8351

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.



11.3680, 25.9607, 57.4860



48.2566, 25.9607, 33.0394



12.3372, 25.9607, 7.4303

Square

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



48.2566, 25.9607, 33.0394



26.2894, 25.9607, 1.4743



10.3869, 25.9607, 23.9774



23.1278, 25.9607, 121.6007

Rectangle

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



48.2566, 25.9607, 33.0394



40.2748, 25.9607, 4.8188



10.3869, 25.9607, 23.9774



13.7344, 25.9607, 85.3779

Sweetspot

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



48.2573, 25.9621, 33.0398



74.0367, 65.1744, 79.6960



31.7402, 16.0359, 96.0301



15.2984, 13.0600, 16.2369



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.



48.2573, 25.9621, 33.0398



45.6392, 23.1968, 24.5500



43.1002, 23.8993, 5.8828



18.3920, 18.1401, 20.6814



23.6858, 11.9636, 12.2618



2.3614, 1.1869, 1.4844

Inverse Universe

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



48.2573, 25.9621, 33.0398



45.6392, 23.1968, 24.5500



54.6334, 79.2272, 104.1766



18.3920, 18.1401, 20.6814



23.6858, 11.9636, 12.2618



2.3614, 1.1869, 1.4844

Previews

White Background



This preview shows how the XYZ color 48.2566, 25.9607, 33.0394 looks on a white background.

Color Contrast Check

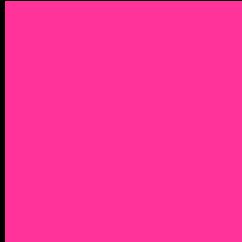
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.2566, 25.9607, 33.0394 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 48.2566, 25.9607, 33.0394

Background



This preview shows how black text looks on a background with the XYZ color 48.2566, 25.9607, 33.0394.



This preview shows how white text looks on a background with the XYZ color 48.2566, 25.9607,

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

48.2566, 25.9607, 33.0394

Protanopia

27.5245, 26.1396, 63.9164

Deuteranopia

26.4605, 25.9209, 29.9942



Tritanopia

43.3156, 25.9062, 9.9251

Trichromacy



Original Color

48.2566, 25.9607, 33.0394



Protanomaly

30.0652, 22.0892, 50.8231



Deuteranomaly

31.2819, 22.8576, 30.7802



Tritanomaly

44.6946, 25.6325, 16.2276

Monochromacy



Original Color

48.2566, 25.9607, 33.0394



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

25.6611, 19.0693, 25.2499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2566, 25.9607, 33.0394 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, 51, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 154)  
}
```

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, 51, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 154) }
```

Border

The CSS property to change the border of an element to XYZ 48.2566, 25.9607, 33.0394 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, 51, 154) }
```


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

```
.border{ border-color:rgb(255, 51, 154) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2566, 25.9607, 33.0394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 154) }
```

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

```
.background{ background-color: rgb(255, 51,  
154) }
```

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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