

Converting Colors

XYZ(49.5058, 28.5921, 33.0466)

Have a look what the booklet for
XYZ(49.5058, 28.5921, 33.0466)
contains.

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Color

**XYZ(49.5058, 28.5921,
33.0466)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4B99
RGB	255, 75, 153
RGB Percent	100%, 29%, 60%
CMY	0.0000, 0.7058, 0.4000
CMYK	0.00, 0.71, 0.40, 0.00
HSL	334°, 100%, 65%
HSV	334°, 71%, 100%
XYZ	49.5058, 28.5921, 33.0466
YIQ	137.7120, 82.2420, 62.4180

Conversions

Conversions Part 2

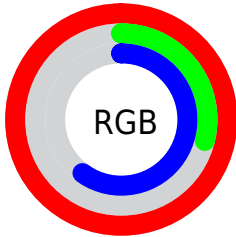
Format	Color
RYB	255, 75, 153
Decimal	16731033
CIELab	60.42, 72.90, -2.65
CIELCh	60, 72.945, 357.920
Yxy	28.5921, 0.4454, 0.2573
Android (android.graphics.Color)	4294921113 (0xFFFF4B99)
YUV	137.7120, 7.5370, 102.8616
Hunter-Lab	53.4716, 71.6861, 0.7876

Details

The XYZ color **49.5058, 28.5921, 33.0466** 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 **46.5994, 76.1909, 53.8511**, and the grayscale version is **24.0000, 25.2499, 27.4971**.

A 20% lighter version of the original color is **61.3066, 43.3733, 64.1722**, and **24.3906, 12.2968, 13.6584** is the 20% darker color. If you saturate the color by 10%, you get **46.9871, 25.3506, 26.6706**, and if you desaturate by 10%, it is **52.8632, 33.2796, 40.4158**.

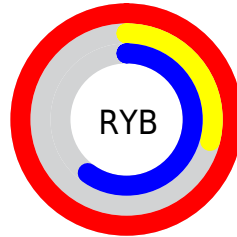
Distribution



Red (100%)

Green (29%)

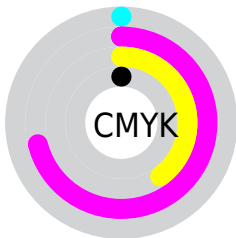
Blue (60%)



Red (100%)

Yellow (29%)

Blue (60%)

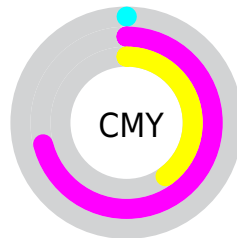


Cyan (0%)

Magenta (71%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (71%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5058, 28.5921, 33.0466 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 49.5058, 28.5921, 33.0466 by changing the saturation by 10% instead.


 49.5058, 28.5921,
33.0466


 49.5058, 28.5921,
33.0466


375.2142,
295.2855, 330.4981


 35.2371, 18.7725,
21.8907


 88.6384, 57.4284,
65.5651


 24.0129, 11.5060,
13.5791


 114.2330, 77.2138,
87.7649

 15.4680, 6.4083,
7.6931


 144.3336,
101.0900, 114.4830

 9.2369, 3.0949,
3.8143


 179.3056,
129.4413, 146.1380

 4.9544, 1.1815,
1.5240

219.5143,
162.6521, 183.1485

 2.2550, 0.0465,
0.2357

265.3250,

 0.7715, 0.0000,

201.1068, 225.9330

0.0000

317.1032,
245.1898, 274.9100

■ 0.0000, 0.0000,
0.0000

■ 49.5058, 28.5921,
33.0466

■ 49.5058, 28.5921,
33.0466

■ 46.9871, 25.3506,
26.6706

■ 52.8632, 33.2796,
40.4158

■ 45.2111, 23.3714,
21.2298


■ 57.1357, 39.5581,
48.8271

■ 44.0812, 22.3964,
16.8920

■ 62.3931, 47.5600,
58.3271

■ 68.6977, 57.4023,
68.9583

■ 76.1062, 69.1918,
80.7607

 84.6711, 83.0271,
93.7722

94.4415, 99.0000,
108.0288

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



45.5234, 28.5921, 67.4592



49.5058, 28.5921, 33.0466



46.4540, 28.5921, 12.6549

Triad

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



49.5058, 28.5921, 33.0466



19.5685, 28.5921, 4.1495



18.6708, 28.5921, 98.7079

Complementary

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



49.5058, 28.5921, 33.0466



46.5994, 76.1909, 53.8511

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.



14.1410, 28.5921, 62.1612



49.5058, 28.5921, 33.0466



14.5692, 28.5921, 10.9537

Square

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



49.5058, 28.5921, 33.0466



27.8365, 28.5921, 2.7757



12.8318, 28.5921, 29.2927



26.5259, 28.5921, 116.6646

Rectangle

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



49.5058, 28.5921, 33.0466



41.1599, 28.5921, 6.3644



12.8318, 28.5921, 29.2927



16.7833, 28.5921, 87.4380

Sweetspot

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



49.5066, 28.5937, 33.0471



75.7750, 68.6607, 80.2454



38.6995, 21.6015, 96.7373



15.7597, 13.9615, 16.4557



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.



49.5066, 28.5937, 33.0471



46.1175, 24.3328, 24.1560



45.9194, 28.5863, 9.7563



18.3362, 18.1178, 20.3875



23.1050, 11.7313, 9.2036



2.3032, 1.1637, 1.1783

Inverse Universe

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



49.5066, 28.5937, 33.0471



46.1175, 24.3328, 24.1560



53.0033, 72.8178, 105.8691



18.3362, 18.1178, 20.3875



23.1050, 11.7313, 9.2036



2.3032, 1.1637, 1.1783

Previews

White Background



This preview shows how the XYZ color 49.5058, 28.5921, 33.0466 looks on a white background.

Color Contrast Check

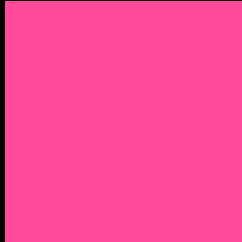
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.5058, 28.5921, 33.0466 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 49.5058, 28.5921, 33.0466

Background



This preview shows how black text looks on a background with the XYZ color 49.5058, 28.5921, 33.0466.



This preview shows how white text looks on a background with the XYZ color 49.5058, 28.5921,

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

49.5058, 28.5921, 33.0466

Protanopia

29.4114, 28.8030, 56.8327

Deuteranopia

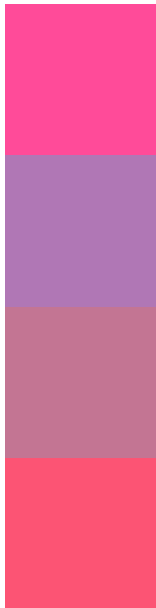
29.2569, 28.6404, 30.3717



Tritanopia

45.4216, 28.4802, 13.9297

Trichromacy



Original Color

49.5058, 28.5921, 33.0466

Protanomaly

32.8418, 25.7600, 46.9573

Deuteranomaly

34.1334, 26.4313, 30.9065

Tritanomaly

46.4676, 28.2970, 19.5358

Monochromacy



Original Color

49.5058, 28.5921, 33.0466

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

30.1447, 24.0684, 29.0435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5058, 28.5921, 33.0466 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, 75, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 75, 153)  
}
```

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, 75, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 75, 153) }
```

Border

The CSS property to change the border of an element to XYZ 49.5058, 28.5921, 33.0466 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, 75, 153) }
```


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

```
.border{ border-color:rgb(255, 75, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 75, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 75, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 75, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 75,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5058, 28.5921, 33.0466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 75, 153) }
```

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

```
.background{ background-color: rgb(255, 75,  
153) }
```

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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