

Converting Colors

XYZ(50.0449, 26.6761, 42.4566)

Have a look what the booklet for
XYZ(50.0449, 26.6761, 42.4566)
contains.

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Color

**XYZ(50.0638, 26.6836,
42.5562)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33AE
RGB	255, 51, 174
RGB Percent	100%, 20%, 68%
CMY	0.0000, 0.7999, 0.3176
CMYK	0.00, 0.80, 0.32, 0.00
HSL	324°, 100%, 60%
HSV	324°, 80%, 100%
XYZ	50.0638, 26.6836, 42.5562
YIQ	126.0180, 82.1010, 81.5010

Conversions

Conversions Part 2

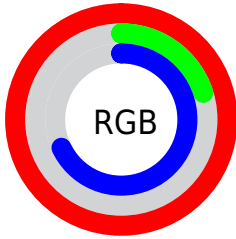
Format	Color
R _Y B	255, 51, 174
Decimal	16724910
CIE Lab	58.68, 81.90, -17.47
CIE LCh	59, 83.743, 347.960
Yxy	26.6836, 0.4196, 0.2237
Android (android.graphics.Color)	4294914990 (0xFFFF33AE)
YUV	126.0180, 23.6551, 113.1172
Hunter-Lab	51.6562, 82.5992, -12.6859

Details

The XYZ color **50.0638, 26.6836, 42.5562** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **41.2919, 73.8906, 33.9212**, and the grayscale version is **19.7424, 20.7705, 22.6191**.

A 20% lighter version of the original color is **62.2394, 40.4061, 79.3817**, and **25.5052, 12.7426, 19.5276** is the 20% darker color. If you saturate the color by 10%, you get **48.2883, 24.6533, 37.2762**, and if you desaturate by 10%, it is **52.5251, 29.9662, 48.4324**.

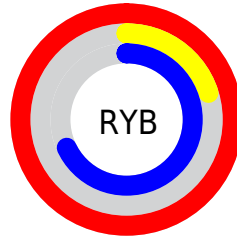
Distribution



Red (100%)

Green (20%)

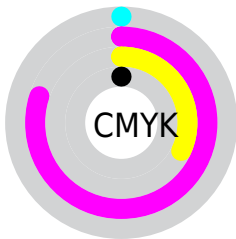
Blue (68%)



Red (100%)

Yellow (20%)

Blue (68%)

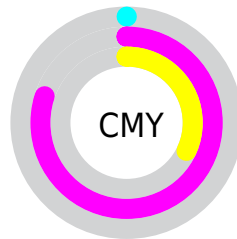


Cyan (0%)

Magenta (80%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0638, 26.6836, 42.5562 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 50.0638, 26.6836, 42.5562 by changing the saturation by 10% instead.

 50.0638, 26.6836,
42.5562


 50.0638, 26.6836,
42.5562

377.3633,
286.1219, 372.6509

 35.6821, 17.3357,
29.2082


 89.4607, 54.3757,
80.3199


 24.3577, 10.4742,
18.9915


 115.2065, 73.4888,
105.5727


 15.7254, 5.7145,
11.4874


 145.4712, 96.6257,
135.6308

 9.4196, 2.6722,
6.2774

 180.6199,
124.1709, 170.9129

 5.0752, 0.9631,
2.9430

 221.0181,
156.5087, 211.8374

 2.3267, 0.0000,
1.0656

267.0312,

 0.8083, 0.0000,

194.0235, 258.8228

0.0000

319.0245,
237.0998, 312.2878

■ 0.0000, 0.0000,
0.0000

■ 50.0638, 26.6836,
42.5562

■ 50.0638, 26.6836,
42.5562

■ 48.2883, 24.6533,
37.2762

■ 52.5251, 29.9662,
48.4324

■ 47.0520, 23.5851,
32.5348

■ 55.7588, 34.6721,
54.9409

■ 47.0513, 23.5845,
32.5321

■ 59.8406, 40.9500,
62.1147

■ 64.8358, 48.9283,
69.9827

■ 70.8032, 58.7223,
78.5719

■ 77.7965, 70.4371,
87.9070

■ 85.8653, 84.1696,
98.0113

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.



43.0857, 26.6836, 85.9499



50.0638, 26.6836, 42.5562



49.2359, 26.6836, 14.8452

Triad

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



50.0638, 26.6836, 42.5562



19.7350, 26.6836, 1.6107



14.2819, 26.6836, 94.7654

Complementary

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



50.0638, 26.6836, 42.5562



41.2919, 73.8906, 33.9212

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.



10.8079, 26.6836, 50.2735



50.0638, 26.6836, 42.5562



13.3188, 26.6836, 5.2254

Square

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



50.0638, 26.6836, 42.5562



29.7192, 26.6836, 1.4003



10.5110, 26.6836, 18.7603



21.4529, 26.6836, 127.2382

Rectangle

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



50.0638, 26.6836, 42.5562



44.3886, 26.6836, 6.2739



10.5110, 26.6836, 18.7603



12.7377, 26.6836, 79.7336

Sweetspot

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



50.0645, 26.6850, 42.5566



74.8685, 65.5071, 84.0762



28.3196, 14.2726, 95.8700



15.4980, 13.1399, 17.2884



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.



50.0645, 26.6850, 42.5566



47.5045, 23.9429, 34.3722



43.6881, 24.1345, 8.9790



18.4693, 18.1710, 21.0886



24.6610, 12.3537, 17.3972



2.4551, 1.2244, 1.9777

Inverse Universe

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



50.0645, 26.6850, 42.5566



47.5045, 23.9429, 34.3722



51.5783, 78.0051, 88.0889



18.4693, 18.1710, 21.0886



24.6610, 12.3537, 17.3972



2.4551, 1.2244, 1.9777

Previews

White Background



This preview shows how the XYZ color 50.0638, 26.6836, 42.5562 looks on a white background.

Color Contrast Check

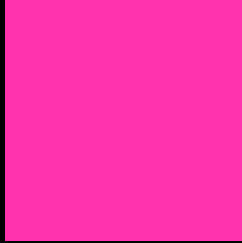
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.0638, 26.6836, 42.5562 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 50.0638, 26.6836, 42.5562

Background



This preview shows how black text looks on a background with the XYZ color 50.0638, 26.6836, 42.5562.



This preview shows how white text looks on a background with the XYZ color 50.0638, 26.6836,

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

50.0638, 26.6836, 42.5562

Protanopia

29.7083, 27.0579, 83.0138

Deuteranopia

27.3764, 26.8410, 38.3883



Tritanopia

43.6490, 26.6805, 11.4436

Trichromacy



Original Color

50.0638, 26.6836, 42.5562



Protanomaly

31.2648, 22.3813, 65.6230



Deuteranomaly

32.1367, 23.4124, 39.3845



Tritanomaly

45.1847, 26.1739, 19.5002

Monochromacy



Original Color

50.0638, 26.6836, 42.5562



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

26.6533, 19.7911, 28.4019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0638, 26.6836, 42.5562 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 174) }
```

Border

The CSS property to change the border of an element to XYZ 50.0638, 26.6836, 42.5562 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, 174) }
```


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

```
.border{ border-color:rgb(255, 51, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0638, 26.6836, 42.5562 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, 174) }
```

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

```
.background{ background-color: rgb(255, 51,  
174) }
```

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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