

Converting Colors

XYZ(50.8054, 26.9803, 46.4615)

Have a look what the booklet for
XYZ(50.8054, 26.9803, 46.4615)
contains.

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Color

**XYZ(50.7643, 26.9638,
46.2450)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33B5
RGB	255, 51, 181
RGB Percent	100%, 20%, 71%
CMY	0.0000, 0.7999, 0.2902
CMYK	0.00, 0.80, 0.29, 0.00
HSL	322°, 100%, 60%
HSV	322°, 80%, 100%
XYZ	50.7643, 26.9638, 46.2450
YIQ	126.8160, 79.8540, 83.6780

Conversions

Conversions Part 2

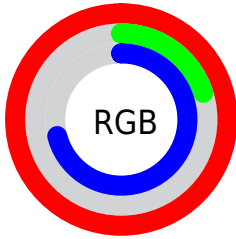
Format	Color
R _Y B	255, 51, 181
Decimal	16724917
CIE _{Lab}	58.94, 82.65, -21.13
CIE _{LCh}	59, 85.311, 345.661
Yxy	26.9638, 0.4095, 0.2175
Android (android.graphics.Color)	4294914997 (0xFFFF33B5)
YUV	126.8160, 26.7127, 112.4174
Hunter-Lab	51.9267, 83.6326, -16.4540

Details

The XYZ color **50.7643, 26.9638, 46.2450** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **40.8286, 73.7052, 31.4816**, and the grayscale version is **20.0044, 21.0462, 22.9193**.

A 20% lighter version of the original color is **63.2425, 40.8074, 84.6641**, and **25.8886, 12.8960, 21.5468** is the 20% darker color. If you saturate the color by 10%, you get **49.0211, 24.9464, 41.1353**, and if you desaturate by 10%, it is **53.1818, 30.2289, 51.8909**.

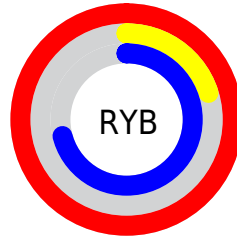
Distribution



Red (100%)

Green (20%)

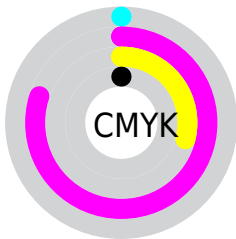
Blue (71%)



Red (100%)

Yellow (20%)

Blue (71%)

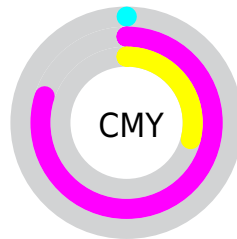


Cyan (0%)

Magenta (80%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7643, 26.9638, 46.2450 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 50.7643, 26.9638, 46.2450 by changing the saturation by 10% instead.


 50.7643, 26.9638,
46.2450


 50.7643, 26.9638,
46.2450


380.0501,
287.4818, 388.0989

 36.2413, 17.5460,
32.0891

 90.4913, 54.8258,
85.9237


 24.7916, 10.6246,
21.1642


 116.4261, 74.0388,
112.2836

 16.0498, 5.8150,
13.0517


 146.8956, 97.2856,
143.5486

 9.6505, 2.7329,
7.3330

 182.2650,
124.9508, 180.1372

 5.2283, 0.9939,
3.5896

 222.8999,
157.4186, 222.4680

 2.4180, 0.0000,
1.4030

269.1654,

 0.8541, 0.0000,

195.0734, 270.9596

0.1441

321.4270,
238.2997, 326.0303

■ 0.0000, 0.0000,
0.0000

■ 50.7643, 26.9638,
46.2450

■ 50.7643, 26.9638,
46.2450

■ 49.0211, 24.9464,
41.1353

■ 53.1818, 30.2289,
51.8909

■ 47.8062, 23.8868,
36.5064

■ 56.3600, 34.9126,
58.1070

■ 47.8056, 23.8862,
36.5038

■ 60.3741, 41.1634,
64.9242

■ 65.2890, 49.1095,
72.3697

■ 71.1633, 58.8663,
80.4683

■ 78.0502, 70.5384,
89.2431

■ 85.9990, 84.2229,
98.7157

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.



43.0669, 26.9638, 91.6431



50.7643, 26.9638, 46.2450



50.5734, 26.9638, 16.2927

Triad

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



50.7643, 26.9638, 46.2450



20.5285, 26.9638, 1.4189



13.8950, 26.9638, 93.6834

Complementary

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



50.7643, 26.9638, 46.2450



40.8286, 73.7052, 31.4816

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.



10.6271, 26.9638, 48.0209



50.7643, 26.9638, 46.2450



13.6760, 26.9638, 4.5857

Square

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



50.7643, 26.9638, 46.2450



30.9933, 26.9638, 1.3734



10.5599, 26.9638, 17.1832



20.9211, 26.9638, 129.4267

Rectangle

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



50.7643, 26.9638, 46.2450



45.9195, 26.9638, 6.8319



10.5599, 26.9638, 17.1832



12.4173, 26.9638, 77.9855

Sweetspot

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



50.7650, 26.9652, 46.2455



75.1665, 65.6263, 85.6454



27.3187, 13.7565, 95.8232



15.5699, 13.1686, 17.6666



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.



50.7650, 26.9652, 46.2455



48.2514, 24.2417, 38.3057



43.9328, 24.2323, 10.2674



18.4966, 18.1820, 21.2324



25.0536, 12.5107, 19.4646



2.4918, 1.2391, 2.1714

Inverse Universe

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



50.7650, 26.9652, 46.2455



48.2514, 24.2417, 38.3057



50.6352, 77.6279, 83.1223



18.4966, 18.1820, 21.2324



25.0536, 12.5107, 19.4646



2.4918, 1.2391, 2.1714

Previews

White Background



This preview shows how the XYZ color 50.7643, 26.9638, 46.2450 looks on a white background.

Color Contrast Check

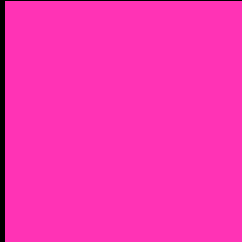
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.7643, 26.9638, 46.2450 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 50.7643, 26.9638, 46.2450

Background



This preview shows how black text looks on a background with the XYZ color 50.7643, 26.9638, 46.2450.



This preview shows how white text looks on a background with the XYZ color 50.7643, 26.9638,

46.2450.

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

50.7643, 26.9638, 46.2450

Protanopia

30.5379, 27.5446, 90.0933

Deuteranopia

27.6436, 27.1183, 41.8076



Tritanopia

43.5661, 26.8476, 12.1184

Trichromacy



Original Color

50.7643, 26.9638, 46.2450



Protanomaly

31.7689, 22.6593, 71.8065



Deuteranomaly

32.4261, 23.6387, 42.8981



Tritanomaly

45.5498, 26.4208, 21.1113

Monochromacy



Original Color

50.7643, 26.9638, 46.2450



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

27.1839, 20.0289, 30.0370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7643, 26.9638, 46.2450 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 181) }
```

Border

The CSS property to change the border of an element to XYZ 50.7643, 26.9638, 46.2450 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, 181) }
```


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

```
.border{ border-color:rgb(255, 51, 181) }
```

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, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 181);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7643, 26.9638, 46.2450 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, 181) }
```

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

```
.background{ background-color: rgb(255, 51,  
181) }
```

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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