

# Converting Colors

XYZ(50.9380, 26.1548, 49.8682)

Have a look what the booklet for  
XYZ(50.9380, 26.1548, 49.8682)  
contains.

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# Color

**XYZ(50.9480, 26.1526,  
49.9396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF24BC
RGB	255, 36, 188
RGB Percent	100%, 14%, 74%
CMY	0.0000, 0.8587, 0.2627
CMYK	0.00, 0.86, 0.26, 0.00
HSL	318°, 100%, 57%
HSV	318°, 86%, 100%
XYZ	50.9480, 26.1526, 49.9396
YIQ	118.8090, 81.7320, 93.7000

# Conversions

## Conversions Part 2

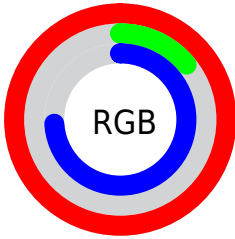
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 36, 188
Decimal	16721084
CIE <sub>Lab</sub>	58.18, 86.41, -26.34
CIE <sub>LCh</sub>	58, 90.339, 343.049
Yxy	26.1526, 0.4010, 0.2059
Android (android.graphics.Color)	4294911164 (0xFFFF24BC)
YUV	118.8090, 34.1112, 119.4395
Hunter-Lab	51.1396, 88.3369, -22.1010

# Details

The XYZ color **50.9480, 26.1526, 49.9396** 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 **38.9376, 72.8752, 24.8517**, and the grayscale version is **17.3554, 18.2593, 19.8844**.

A 20% lighter version of the original color is **63.3633, 39.3800, 89.8494**, and **26.2954, 13.0587, 23.6889** is the 20% darker color. If you saturate the color by 10%, you get **49.6127, 24.7919, 45.4564**, and if you desaturate by 10%, it is **52.8780, 28.6300, 54.8459**.

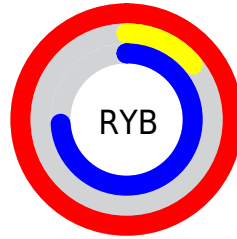
# Distribution



Red (100%)

Green (14%)

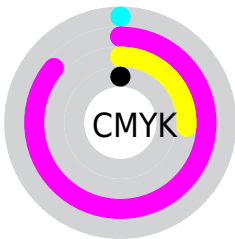
Blue (74%)



Red (100%)

Yellow (14%)

Blue (74%)

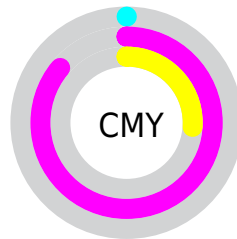


Cyan (0%)

Magenta (86%)

Yellow (26%)

Black (0%)



Cyan (0%)

Magenta (86%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9480, 26.1526, 49.9396 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 50.9480, 26.1526, 49.9396 by changing the saturation by 10% instead.




 50.9480, 26.1526,  
49.9396

 50.9480, 26.1526,  
49.9396


380.7527,  
283.5304, 403.1580

 36.3881, 16.9378,  
34.9946


 90.7614, 53.5210,  
91.4808


 24.9056, 10.1902,  
23.3752


 116.7455, 72.4435,  
118.9140


 16.1351, 5.5252,  
14.6629


 147.2685, 95.3706,  
151.3470

 9.7112, 2.5586,  
8.4391

 182.6956,  
122.6868, 189.1983

 5.2687, 0.9059,  
4.2854

 223.3922,  
154.7765, 232.8866

 2.4421, 0.0000,  
1.7832

269.7237,

 0.8662, 0.0000,

192.0241, 282.8302

0.4168

322.0554,  
234.8139, 339.4479

■ 0.0000, 0.0000,  
0.0000

■ 50.9480, 26.1526,  
49.9396

■ 50.9480, 26.1526,  
49.9396

■ 49.6127, 24.7919,  
45.4564

■ 52.8780, 28.6300,  
54.8459

■ 49.1737, 24.4335,  
43.7084

■ 55.5016, 32.4206,  
60.2109

■ 58.9008, 37.6874,  
66.0656

■ 63.1453, 44.5686,  
72.4365

■ 68.2966, 53.1866,  
79.3473

■ 74.4106, 63.6518,  
86.8198

■ 81.5384, 76.0654,  
94.8741

■ 89.7273, 90.5212,  
103.5290

■ 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.



42.1914, 26.1526, 99.2461



50.9480, 26.1526, 49.9396



51.5495, 26.1526, 16.9093

# Triad

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



50.9480, 26.1526, 49.9396



20.3973, 26.1526, 0.8604



12.4208, 26.1526, 92.7162

# Complementary

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



50.9480, 26.1526, 49.9396



38.9376, 72.8752, 24.8517

# 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.



9.4633, 26.1526, 44.3875



50.9480, 26.1526, 49.9396



13.0706, 26.1526, 3.2253

# Square

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



50.9480, 26.1526, 49.9396



31.5199, 26.1526, 0.9718



9.6597, 26.1526, 14.2576



19.2066, 26.1526, 133.9730



# Rectangle

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



50.9480, 26.1526, 49.9396



47.0296, 26.1526, 6.6173



9.6597, 26.1526, 14.2576



11.0493, 26.1526, 75.6853

# Sweetspot

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



50.9487, 26.1539, 49.9400



74.3273, 63.5079, 86.7220



24.1288, 11.2912, 95.5154



15.4327, 12.7730, 17.9947



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.



50.9487, 26.1539, 49.9400



49.1737, 24.4335, 43.7084



43.3128, 23.0995, 9.7299



18.5421, 18.2001, 21.4718



25.7641, 12.7949, 23.2059



2.5574, 1.2653, 2.5165



# Inverse Universe

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



50.9487, 26.1539, 49.9400



49.1737, 24.4335, 43.7084



48.2718, 76.6089, 74.0052



18.5421, 18.2001, 21.4718



25.7641, 12.7949, 23.2059



2.5574, 1.2653, 2.5165



# Previews

## White Background



This preview shows how the XYZ color 50.9480, 26.1526, 49.9396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

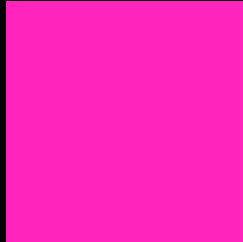
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9480, 26.1526, 49.9396 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 50.9480, 26.1526, 49.9396**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9480, 26.1526, 49.9396.



This preview shows how white text looks on a background with the XYZ color 50.9480, 26.1526,



# 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

50.9480, 26.1526, 49.9396

### Protanopia

30.3338, 26.6222, 98.1476

### Deuteranopia

26.7738, 26.1768, 44.7158



## Tritanopia

42.8267, 26.1516, 11.1780

# Trichromacy



## Original Color

50.9480, 26.1526, 49.9396



## Protanomaly

30.6580, 20.9036, 78.0202



## Deuteranomaly

31.3858, 21.9933, 45.7709



## Tritanomaly

44.7706, 25.3959, 20.9546

# Monochromacy



## Original Color

50.9480, 26.1526, 49.9396



## Achromatopsia

17.5343, 18.4475, 20.0893



## Achromatomaly

24.7549, 17.4832, 28.4554

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9480, 26.1526, 49.9396 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, 36, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 188)  
}
```

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, 36, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9480, 26.1526, 49.9396 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, 36, 188) }
```



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

```
.border{ border-color:rgb(255, 36, 188) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9480, 26.1526, 49.9396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 188) }
```

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

```
.background{ background-color: rgb(255, 36,  
188) }
```

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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