

# Converting Colors

XYZ(49.3223, 26.0140, 60.2371)

Have a look what the booklet for  
XYZ(49.3223, 26.0140, 60.2371)  
contains.

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# Color

**XYZ(49.2547, 26.0087,  
60.1818)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F335CD
RGB	243, 53, 205
RGB Percent	95%, 21%, 80%
CMY	0.0471, 0.7921, 0.1961
CMYK	0.00, 0.78, 0.16, 0.05
HSL	312°, 89%, 58%
HSV	312°, 78%, 95%
XYZ	49.2547, 26.0087, 60.1818
YIQ	127.1380, 64.4480, 87.5520

# Conversions

## Conversions Part 2

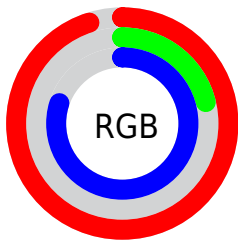
Format	Color
R <sub>YB</sub>	243, 53, 205
Decimal	15939021
CIE <sub>Lab</sub>	58.05, 82.45, -36.47
CIE <sub>LCh</sub>	58, 90.156, 336.139
Yxy	26.0087, 0.3637, 0.1920
Android (android.graphics.Color)	4294129101 (0xFFFF335CD)
YUV	127.1380, 38.3860, 101.6110
Hunter-Lab	50.9987, 83.1480, -34.2669

# Details

The XYZ color **49.2547, 26.0087, 60.1818** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **35.4086, 65.6144, 20.6992**, and the grayscale version is **20.0793, 21.1249, 23.0051**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **24.7964, 12.1471, 29.8919** is the 20% darker color. If you saturate the color by 10%, you get **47.8365, 24.0962, 56.8592**, and if you desaturate by 10%, it is **51.2538, 29.0527, 63.7883**.

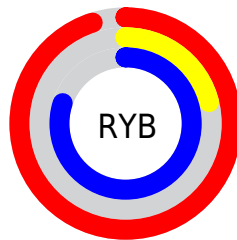
# Distribution



Red (95%)

Green (21%)

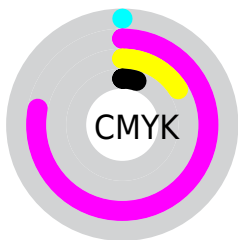
Blue (80%)



Red (95%)

Yellow (21%)

Blue (80%)

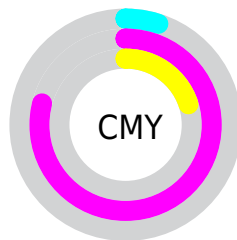


Cyan (0%)

Magenta (78%)

Yellow (16%)

Black (5%)



Cyan (5%)

Magenta (79%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2547, 26.0087, 60.1818 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 49.2547, 26.0087, 60.1818 by changing the saturation by 10% instead.





 49.2547, 26.0087,  
60.1818

 49.2547, 26.0087,  
60.1818


374.2445,  
282.8248, 443.0908


 35.0369, 16.8301,  
43.1389


 88.2681, 53.2890,  
106.6393


 23.8580, 10.1135,  
29.6619


 113.7944, 72.1595,  
136.8910

 15.3525, 5.4743,  
19.3323


 143.8209, 95.0295,  
172.3828

 9.1550, 2.5281,  
11.7314

 178.7131,  
122.2833, 213.5331

 4.9004, 0.8907,  
6.4407

 218.8361,  
154.3053, 260.7605

 2.2231, 0.0000,  
3.0418

264.5555,

 0.7549, 0.0000,

191.4800, 314.4835

1.1160

316.2365,  
234.1917, 375.1208

■ 0.0000, 0.0000,  
0.0000

■ 49.2547, 26.0087,  
60.1818

■ 49.2547, 26.0087,  
60.1818

■ 47.8365, 24.0962,  
56.8592

■ 51.2538, 29.0527,  
63.7883

■ 46.8923, 23.1034,  
53.7837


■ 53.9058, 33.3737,  
67.7029


■ 46.7447, 22.9677,  
53.2426


■ 57.2751, 39.0995,  
71.9482


■ 61.4174, 46.3415,  
76.5434

■ 66.3829, 55.1997,  
81.5061

 72.2176, 65.7657,  
86.8522

 78.9638, 78.1242,  
92.5968

 86.6612, 92.3542,  
98.7537

 89.7813, 97.3984,  
103.4809

# Harmonies

## Analogous

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



39.2477, 26.0087, 109.6580



49.2547, 26.0087, 60.1818



51.9472, 26.0087, 22.3750

# Triad

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



49.2547, 26.0087, 60.1818



22.5471, 26.0087, 0.7298



11.3683, 26.0087, 80.4843

# Complementary

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



49.2547, 26.0087, 60.1818



35.4086, 65.6144, 20.6992

# 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.



9.1939, 26.0087, 35.2323



49.2547, 26.0087, 60.1818



14.3097, 26.0087, 2.2466

# Square

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



49.2547, 26.0087, 60.1818



34.1999, 26.0087, 1.2580



10.0850, 26.0087, 10.3224



17.1777, 26.0087, 126.2534



# Rectangle

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



49.2547, 26.0087, 60.1818



48.6993, 26.0087, 9.2578



10.0850, 26.0087, 10.3224



10.2799, 26.0087, 63.8272

# Sweetspot

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



49.2556, 26.0100, 60.1823



77.2773, 67.3853, 93.9410



21.7669, 11.2432, 85.8175



16.0489, 13.5350, 19.6506



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.



49.2556, 26.0100, 60.1823



52.6845, 26.1179, 61.3322



41.0511, 22.7282, 16.9779



17.0633, 16.7082, 20.0796



25.7044, 12.6252, 29.4813



2.2944, 1.1237, 2.7768



# Inverse Universe

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



49.2556, 26.0100, 60.1823



52.6845, 26.1179, 61.3322



42.3831, 68.4042, 57.4264



17.0633, 16.7082, 20.0796



25.7044, 12.6252, 29.4813



2.2944, 1.1237, 2.7768



# Previews

## White Background



This preview shows how the XYZ color 49.2547, 26.0087, 60.1818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

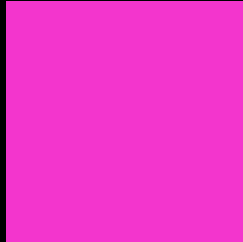
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2547, 26.0087, 60.1818 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 49.2547, 26.0087, 60.1818**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2547, 26.0087, 60.1818.



This preview shows how white text looks on a background with the XYZ color 49.2547, 26.0087,



# 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

49.2547, 26.0087, 60.1818

### Protanopia

30.1624, 26.5338, 98.1395

### Deuteranopia

26.8521, 26.2096, 54.6826



## Tritanopia

39.6360, 25.8598, 14.4577

# Trichromacy



## Original Color

49.2547, 26.0087, 60.1818



## Protanomaly

31.0876, 21.9115, 82.7116



## Deuteranomaly

31.1766, 22.6996, 56.1644



## Tritanomaly

42.1648, 25.2594, 26.3201

# Monochromacy



## Original Color

49.2547, 26.0087, 60.1818



## Achromatopsia

20.1725, 21.2231, 23.1119



## Achromatomaly

26.8358, 19.9159, 33.4401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2547, 26.0087, 60.1818 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(243, 53, 205)` looks like.

```
.text, #text, p{  
    color:rgb(243, 53, 205)  
}
```

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(243, 53, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 53, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2547, 26.0087, 60.1818 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(243, 53, 205) }
```



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

```
.border{ border-color:rgb(243, 53, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 53, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 53, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 53, 205);  
box-shadow:4px 4px 4px 4px rgb(243, 53,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2547, 26.0087, 60.1818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 53, 205) }
```

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

```
.background{ background-color: rgb(243, 53,  
205) }
```

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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