

Converting Colors

XYZ(49.2624, 26.3631, 38.3359)

Have a look what the booklet for
XYZ(49.2624, 26.3631, 38.3359)
contains.

XYZ(49.3068, 26.3808, 38.5696)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.3068, 26.3808,
38.5696)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33A6
RGB	255, 51, 166
RGB Percent	100%, 20%, 65%
CMY	0.0000, 0.7999, 0.3490
CMYK	0.00, 0.80, 0.35, 0.00
HSL	326°, 100%, 60%
HSV	326°, 80%, 100%
XYZ	49.3068, 26.3808, 38.5696
YIQ	125.1060, 84.6690, 79.0130

Conversions

Conversions Part 2

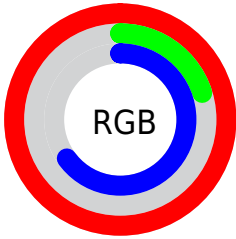
Format	Color
R _Y B	255, 51, 166
Decimal	16724902
CIE _{Lab}	58.40, 81.08, -13.24
CIE _{LCh}	58, 82.152, 350.725
Yxy	26.3808, 0.4315, 0.2309
Android (android.graphics.Color)	4294914982 (0xFFFF33A6)
YUV	125.1060, 20.1607, 113.9170
Hunter-Lab	51.3622, 81.4728, -8.5692

Details

The XYZ color **49.3068, 26.3808, 38.5696** 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 **41.8608, 74.1181, 36.9168**, and the grayscale version is **19.4454, 20.4581, 22.2788**.

A 20% lighter version of the original color is **60.8880, 39.6741, 72.8553**, and **25.0296, 12.5524, 17.0232** is the 20% darker color. If you saturate the color by 10%, you get **47.5046, 24.3399, 33.1494**, and if you desaturate by 10%, it is **51.8085, 29.6796, 44.6590**.

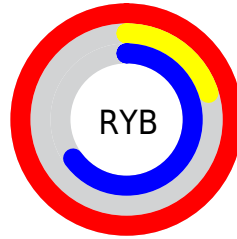
Distribution



Red (100%)

Green (20%)

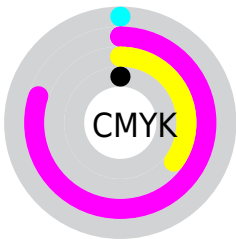
Blue (65%)



Red (100%)

Yellow (20%)

Blue (65%)

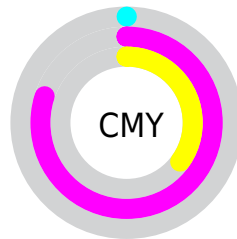


Cyan (0%)

Magenta (80%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3068, 26.3808, 38.5696 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 49.3068, 26.3808, 38.5696 by changing the saturation by 10% instead.


 49.3068, 26.3808,
38.5696


 49.3068, 26.3808,
38.5696


374.4458,
284.6464, 355.4283

 35.0785, 17.1087,
26.1198


 88.3449, 53.8886,
74.1934


 23.8901, 10.3120,
16.6867


 113.8854, 72.8932,
98.2046

 15.3764, 5.6063,
9.8518


 143.9274, 95.9107,
126.9065

 9.1720, 2.6072,
5.1965

 178.8361,
123.3256, 160.7179

 4.9116, 0.9303,
2.3023

 218.9769,
155.5222, 200.0573

 2.2297, 0.0000,
0.7325

264.7152,

 0.7583, 0.0000,

192.8849, 245.3431

0.0000

316.4164,
235.7982, 296.9939

■ 0.0000, 0.0000,
0.0000

■ 49.3068, 26.3808,
38.5696

■ 49.3068, 26.3808,
38.5696

■ 47.5046, 24.3399,
33.1494

■ 51.8085, 29.6796,
44.6590

■ 46.2550, 23.2663,
28.3379

■ 55.0972, 34.4075,
51.4569

■ 46.2543, 23.2657,
28.3351

■ 59.2489, 40.7134,
58.9988

■ 64.3295, 48.7259,
67.3167

■ 70.3984, 58.5604,
76.4400

77.5096, 70.3224,
86.3959

85.7133, 84.1088,
97.2103

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.



43.1459, 26.3808, 79.7418



49.3068, 26.3808, 38.5696



47.7615, 26.3808, 13.2858

Triad

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



49.3068, 26.3808, 38.5696



18.8542, 26.3808, 1.8520



14.7463, 26.3808, 96.1296

Complementary

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



49.3068, 26.3808, 38.5696



41.8608, 74.1181, 36.9168

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.



11.0241, 26.3808, 53.0155



49.3068, 26.3808, 38.5696



12.9193, 26.3808, 6.0372

Square

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



49.3068, 26.3808, 38.5696



28.3102, 26.3808, 1.4305



10.4587, 26.3808, 20.7154



22.0946, 26.3808, 124.8752

Rectangle

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



49.3068, 26.3808, 38.5696



42.6975, 26.3808, 5.6670



10.4587, 26.3808, 20.7154



13.1217, 26.3808, 81.8728

Sweetspot

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



49.3075, 26.3822, 38.5700



74.5323, 65.3726, 82.3058



29.9504, 15.1132, 95.9463



15.4172, 13.1075, 16.8627



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.



49.3075, 26.3822, 38.5700



46.7112, 23.6256, 30.1951



43.3675, 24.0062, 7.2906



18.4383, 18.1586, 20.9251



24.2453, 12.1874, 15.2079



2.4156, 1.2086, 1.7699

Inverse Universe

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



49.3075, 26.3822, 38.5700



46.7112, 23.6256, 30.1951



53.0632, 78.5991, 95.9079



18.4383, 18.1586, 20.9251



24.2453, 12.1874, 15.2079



2.4156, 1.2086, 1.7699

Previews

White Background



This preview shows how the XYZ color 49.3068, 26.3808, 38.5696 looks on a white background.

Color Contrast Check

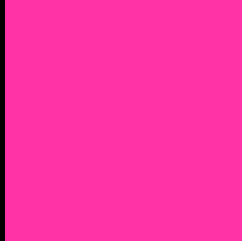
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3068, 26.3808, 38.5696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

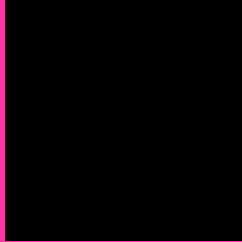
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3068, 26.3808, 38.5696

Background



This preview shows how black text looks on a background with the XYZ color 49.3068, 26.3808, 38.5696.



This preview shows how white text looks on a background with the XYZ color 49.3068, 26.3808,

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

49.3068, 26.3808, 38.5696

Protanopia

28.7425, 26.7390, 74.8804

Deuteranopia

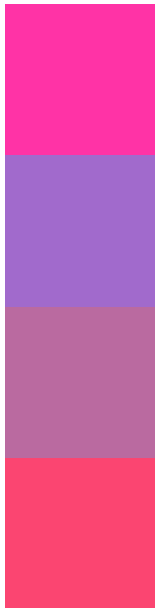
26.9790, 26.4947, 35.1445



Tritanopia

43.4242, 26.3562, 10.9822

Trichromacy



Original Color

49.3068, 26.3808, 38.5696

Protanomaly

30.7511, 22.2448, 59.7997

Deuteranomaly

31.7489, 23.2852, 36.0789

Tritanomaly

44.8924, 25.9577, 18.2670

Monochromacy



Original Color

49.3068, 26.3808, 38.5696

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

26.1146, 19.3995, 27.1790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3068, 26.3808, 38.5696 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 166) }
```

Border

The CSS property to change the border of an element to XYZ 49.3068, 26.3808, 38.5696 is called "border". The border property can be set on classes, ids or directly on the HTML element.

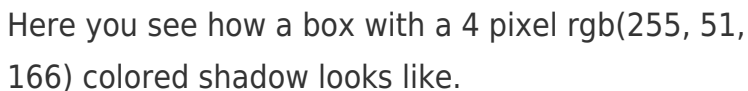
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 51, 166) }
```


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

```
.border{ border-color:rgb(255, 51, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3068, 26.3808, 38.5696 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, 166) }
```

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

```
.background{ background-color: rgb(255, 51,  
166) }
```

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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