

Converting Colors

XYZ(49.1009, 26.2985, 37.4857)

Have a look what the booklet for
XYZ(49.1009, 26.2985, 37.4857)
contains.

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Color

**XYZ(49.1247, 26.3080,
37.6108)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33A4
RGB	255, 51, 164
RGB Percent	100%, 20%, 64%
CMY	0.0000, 0.7999, 0.3569
CMYK	0.00, 0.80, 0.36, 0.00
HSL	327°, 100%, 60%
HSV	327°, 80%, 100%
XYZ	49.1247, 26.3080, 37.6108
YIQ	124.8780, 85.3110, 78.3910

Conversions

Conversions Part 2

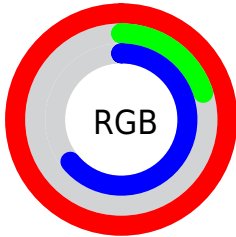
Format	Color
R _Y B	255, 51, 164
Decimal	16724900
CIE _{Lab}	58.33, 80.88, -12.18
CIE _{LCh}	58, 81.789, 351.438
Yxy	26.3080, 0.4346, 0.2327
Android (android.graphics.Color)	4294914980 (0xFFFF33A4)
YUV	124.8780, 19.2871, 114.1170
Hunter-Lab	51.2913, 81.2001, -7.5721

Details

The XYZ color **49.1247, 26.3080, 37.6108** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **42.0097, 74.1777, 37.7010**, and the grayscale version is **19.3717, 20.3805, 22.1944**.

A 20% lighter version of the original color is **60.6230, 39.5681, 71.4601**, and **24.9169, 12.5073, 16.4301** is the 20% darker color. If you saturate the color by 10%, you get **47.3176, 24.2651, 32.1644**, and if you desaturate by 10%, it is **51.6351, 29.6103, 43.7454**.

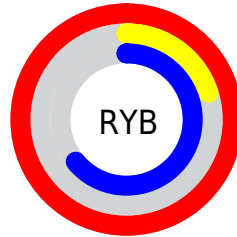
Distribution



Red (100%)

Green (20%)

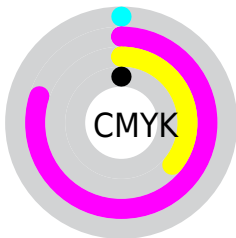
Blue (64%)



Red (100%)

Yellow (20%)

Blue (64%)

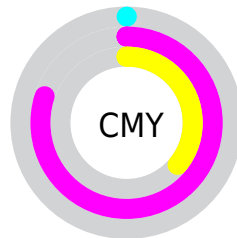


Cyan (0%)

Magenta (80%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1247, 26.3080, 37.6108 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 49.1247, 26.3080, 37.6108 by changing the saturation by 10% instead.


 49.1247, 26.3080,
37.6108


 49.1247, 26.3080,
37.6108

373.7418,
284.2908, 351.1954


 34.9334, 17.0542,
25.3813


 88.0762, 53.7714,
72.7080


 23.7778, 10.2731,
16.1397


 113.5671, 72.7498,
96.4127

 15.2927, 5.5804,
9.4677


 143.5553, 95.7385,
124.7797

 9.1127, 2.5917,
4.9465

 178.4060,
123.1220, 158.2273

 4.8725, 0.9225,
2.1577

 218.4847,
155.2845, 197.1741

 2.2066, 0.0000,
0.6498

264.1566,

 0.7462, 0.0000,

192.6106, 242.0387

0.0000

315.7872,
235.4845, 293.2396

■ 0.0000, 0.0000,
0.0000

■ 49.1247, 26.3080,
37.6108

■ 49.1247, 26.3080,
37.6108

■ 47.3176, 24.2651,
32.1644

■ 51.6351, 29.6103,
43.7454

■ 46.0664, 23.1909,
27.3448

■ 54.9361, 34.3432,
50.6082

■ 46.0657, 23.1903,
27.3419

■ 59.1041, 40.6556,
58.2357

■ 64.2050, 48.6763,
66.6607

■ 70.2985, 58.5207,
75.9131

■ 77.4386, 70.2942,
86.0211

■ 85.6756, 84.0941,
97.0110

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.



43.1673, 26.3080, 78.2388



49.1247, 26.3080, 37.6108



47.4017, 26.3080, 12.9117

Triad

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



49.1247, 26.3080, 37.6108



18.6384, 26.3080, 1.9161



14.8663, 26.3080, 96.4922

Complementary

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



49.1247, 26.3080, 37.6108



42.0097, 74.1777, 37.7010

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.



11.0798, 26.3080, 53.7300



49.1247, 26.3080, 37.6108



12.8209, 26.3080, 6.2543

Square

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



49.1247, 26.3080, 37.6108



27.9658, 26.3080, 1.4380



10.4462, 26.3080, 21.2308



22.2608, 26.3080, 124.3069

Rectangle

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



49.1247, 26.3080, 37.6108



42.2844, 26.3080, 5.5205



10.4462, 26.3080, 21.2308



13.2207, 26.3080, 82.4316

Sweetspot

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



49.1254, 26.3094, 37.6112



74.4490, 65.3393, 81.8670



29.9505, 15.1133, 95.9463



15.3972, 13.0995, 16.7573



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.



49.1254, 26.3094, 37.6112



46.5228, 23.5503, 29.2030



43.3676, 24.0063, 7.2907



18.4305, 18.1555, 20.8843



24.1467, 12.1480, 14.6890



2.4061, 1.2048, 1.7201

Inverse Universe

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



49.1254, 26.3094, 37.6112



46.5228, 23.5503, 29.2030



53.0632, 78.5991, 95.9080



18.4305, 18.1555, 20.8843



24.1467, 12.1480, 14.6890



2.4061, 1.2048, 1.7201

Previews

White Background



This preview shows how the XYZ color 49.1247, 26.3080, 37.6108 looks on a white background.

Color Contrast Check

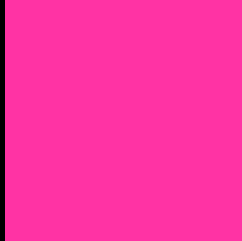
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.1247, 26.3080, 37.6108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

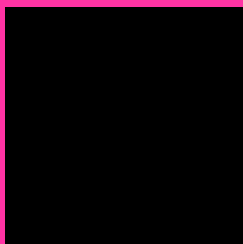
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.1247, 26.3080, 37.6108

Background



This preview shows how black text looks on a background with the XYZ color 49.1247, 26.3080, 37.6108.



This preview shows how white text looks on a background with the XYZ color 49.1247, 26.3080,

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

49.1247, 26.3080, 37.6108

Protanopia

28.5800, 26.7021, 72.7549

Deuteranopia

26.9911, 26.5203, 34.2682



Tritanopia

43.3143, 26.1977, 10.7564

Trichromacy



Original Color

49.1247, 26.3080, 37.6108



Protanomaly

30.5969, 22.2065, 57.9320



Deuteranomaly

31.8191, 23.3415, 35.1761



Tritanomaly

44.7754, 25.8133, 17.9518

Monochromacy



Original Color

49.1247, 26.3080, 37.6108



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

26.0411, 19.3701, 26.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1247, 26.3080, 37.6108 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 164) }
```

Border

The CSS property to change the border of an element to XYZ 49.1247, 26.3080, 37.6108 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, 164) }
```


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

```
.border{ border-color:rgb(255, 51, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1247, 26.3080, 37.6108 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, 164) }
```

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

```
.background{ background-color: rgb(255, 51,  
164) }
```

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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