

Converting Colors

XYZ(49.3583, 26.4015, 38.8412)

Have a look what the booklet for
XYZ(49.3583, 26.4015, 38.8412)
contains.

XYZ(49.3989, 26.4177, 39.0547)	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(49.3989, 26.4177,
39.0547)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33A7
RGB	255, 51, 167
RGB Percent	100%, 20%, 65%
CMY	0.0000, 0.7999, 0.3451
CMYK	0.00, 0.80, 0.35, 0.00
HSL	326°, 100%, 60%
HSV	326°, 80%, 100%
XYZ	49.3989, 26.4177, 39.0547
YIQ	125.2200, 84.3480, 79.3240

Conversions

Conversions Part 2

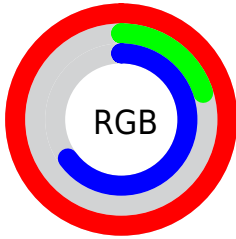
Format	Color
R _{YB}	255, 51, 167
Decimal	16724903
CIE _{Lab}	58.43, 81.18, -13.77
CIE _{LCh}	58, 82.338, 350.371
Yxy	26.4177, 0.4300, 0.2300
Android (android.graphics.Color)	4294914983 (0xFFFF33A7)
YUV	125.2200, 20.5975, 113.8171
Hunter-Lab	51.3982, 81.6101, -9.0726

Details

The XYZ color **49.3989, 26.4177, 39.0547** 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 **41.7875, 74.0888, 36.5304**, and the grayscale version is **19.4826, 20.4972, 22.3214**.

A 20% lighter version of the original color is **61.0216, 39.7276, 73.5592**, and **25.0868, 12.5753, 17.3247** is the 20% darker color. If you saturate the color by 10%, you get **47.5995, 24.3778, 33.6489**, and if you desaturate by 10%, it is **51.8962, 29.7147, 45.1204**.

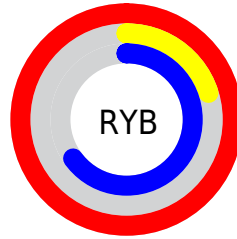
Distribution



Red (100%)

Green (20%)

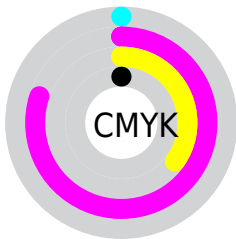
Blue (65%)



Red (100%)

Yellow (20%)

Blue (65%)

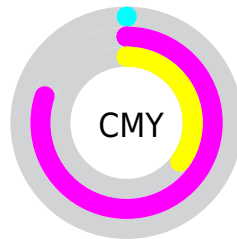


Cyan (0%)

Magenta (80%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3989, 26.4177, 39.0547 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 49.3989, 26.4177, 39.0547 by changing the saturation by 10% instead.


 49.3989, 26.4177,
39.0547


 49.3989, 26.4177,
39.0547


374.8016,
284.8266, 357.5559


 35.1519, 17.1364,
26.4941


 88.4808, 53.9480,
74.9431

 23.9469, 10.3318,
16.9646


 114.0463, 72.9658,
99.1081


 15.4188, 5.6195,
10.0476


 144.1154, 95.9979,
127.9782

 9.2020, 2.6151,
5.3245

 179.0534,
123.4287, 161.9721

 4.9314, 0.9343,
2.3768

 219.2257,
155.6426, 201.5083

 2.2414, 0.0000,
0.7738

264.9976,

 0.7644, 0.0000,

193.0239, 247.0053

0.0000

316.7344,
235.9571, 298.8816

■ 0.0000, 0.0000,
0.0000

■ 49.3989, 26.4177,
39.0547

■ 49.3989, 26.4177,
39.0547

■ 47.5995, 24.3778,
33.6489

■ 51.8962, 29.7147,
45.1204

■ 46.3509, 23.3047,
28.8428

■ 55.1785, 34.4402,
51.8847

■ 46.3502, 23.3041,
28.8398

■ 59.3219, 40.7428,
59.3829

■ 64.3923, 48.7512,
67.6466

■ 70.4488, 58.5809,
76.7047

■ 77.5456, 70.3371,
86.5842

■ 85.7325, 84.1169,
97.3106

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.



43.1361, 26.4177, 80.5005



49.3989, 26.4177, 39.0547



47.9427, 26.4177, 13.4753

Triad

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



49.3989, 26.4177, 39.0547



18.9629, 26.4177, 1.8205



14.6870, 26.4177, 95.9514

Complementary

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



49.3989, 26.4177, 39.0547



41.7875, 74.0888, 36.5304

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.



10.9965, 26.4177, 52.6627



49.3989, 26.4177, 39.0547



12.9688, 26.4177, 5.9308

Square

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



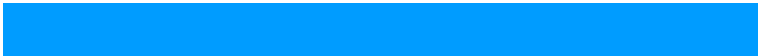
49.3989, 26.4177, 39.0547



28.4837, 26.4177, 1.4268



10.4651, 26.4177, 20.4618



22.0124, 26.4177, 125.1623

Rectangle

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



49.3989, 26.4177, 39.0547



42.9055, 26.4177, 5.7411



10.4651, 26.4177, 20.4618



13.0727, 26.4177, 81.5968

Sweetspot

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



49.3996, 26.4191, 39.0551



74.5741, 65.3893, 82.5257



29.3895, 14.8241, 95.9201



15.4272, 13.1116, 16.9155



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.



49.3996, 26.4191, 39.0551



46.8069, 23.6639, 30.6987



43.4684, 24.0466, 7.8217



18.4421, 18.1602, 20.9455



24.2953, 12.2074, 15.4715



2.4204, 1.2105, 1.7951

Inverse Universe

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



49.3996, 26.4191, 39.0551



46.8069, 23.6639, 30.6987



52.5589, 78.3974, 93.2520



18.4421, 18.1602, 20.9455



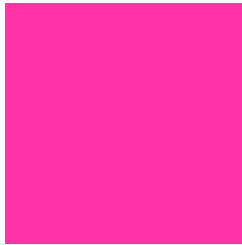
24.2953, 12.2074, 15.4715



2.4204, 1.2105, 1.7951

Previews

White Background



This preview shows how the XYZ color 49.3989, 26.4177, 39.0547 looks on a white background.

Color Contrast Check

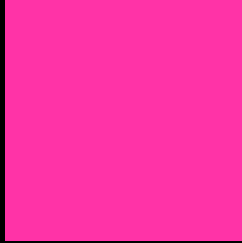
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3989, 26.4177, 39.0547 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 49.3989, 26.4177, 39.0547

Background



This preview shows how black text looks on a background with the XYZ color 49.3989, 26.4177, 39.0547.



This preview shows how white text looks on a background with the XYZ color 49.3989, 26.4177,

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

49.3989, 26.4177, 39.0547

Protanopia

28.8794, 26.7937, 75.6011

Deuteranopia

27.0641, 26.5287, 35.5924



Tritanopia

43.4242, 26.3562, 10.9822

Trichromacy



Original Color

49.3989, 26.4177, 39.0547



Protanomaly

30.8714, 22.2929, 60.4335



Deuteranomaly

31.8368, 23.3204, 36.5415



Tritanomaly

44.9490, 25.9804, 18.5652

Monochromacy



Original Color

49.3989, 26.4177, 39.0547



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 49.3989, 26.4177, 39.0547 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 167) }
```

Border

The CSS property to change the border of an element to XYZ 49.3989, 26.4177, 39.0547 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, 167) }
```


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

```
.border{ border-color:rgb(255, 51, 167) }
```

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, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3989, 26.4177, 39.0547 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, 167) }
```

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

```
.background{ background-color: rgb(255, 51,  
167) }
```

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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