

Converting Colors

XYZ(49.4849, 26.4521, 39.5077)

Have a look what the booklet for
XYZ(49.4849, 26.4521, 39.5077)
contains.

XYZ(49.4917, 26.4548, 39.5436)	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(49.4917, 26.4548,
39.5436)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33A8
RGB	255, 51, 168
RGB Percent	100%, 20%, 66%
CMY	0.0000, 0.7999, 0.3412
CMYK	0.00, 0.80, 0.34, 0.00
HSL	326°, 100%, 60%
HSV	326°, 80%, 100%
XYZ	49.4917, 26.4548, 39.5436
YIQ	125.3340, 84.0270, 79.6350

Conversions

Conversions Part 2

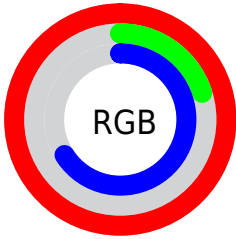
Format	Color
R _Y B	255, 51, 168
Decimal	16724904
CIE _{Lab}	58.47, 81.28, -14.30
CIE _{LCh}	58, 82.528, 350.020
Yxy	26.4548, 0.4285, 0.2291
Android (android.graphics.Color)	4294914984 (0xFFFF33A8)
YUV	125.3340, 21.0343, 113.7171
Hunter-Lab	51.4342, 81.7486, -9.5793

Details

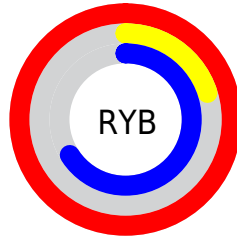
The XYZ color **49.4917, 26.4548, 39.5436** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **41.7146, 74.0597, 36.1471**, and the grayscale version is **19.5195, 20.5361, 22.3638**.

A 20% lighter version of the original color is **61.1561, 39.7814, 74.2673**, and **25.1447, 12.5984, 17.6295** is the 20% darker color. If you saturate the color by 10%, you get **47.6952, 24.4161, 34.1531**, and if you desaturate by 10%, it is **51.9843, 29.7500, 45.5847**.

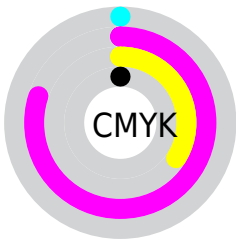
Distribution



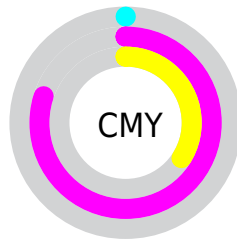
- Red (100%)
- Green (20%)
- Blue (66%)



- Red (100%)
- Yellow (20%)
- Blue (66%)



- Cyan (0%)
- Magenta (80%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (80%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4917, 26.4548, 39.5436 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 49.4917, 26.4548, 39.5436 by changing the saturation by 10% instead.


 49.4917, 26.4548,
39.5436


 49.4917, 26.4548,
39.5436


375.1598,
285.0076, 359.6909


 35.2258, 17.1642,
26.8718


 88.6176, 54.0077,
75.6975


 24.0042, 10.3516,
17.2454


 114.2084, 73.0389,
100.0167

 15.4615, 5.6327,
10.2458


 144.3049, 96.0856,
129.0554

 9.2323, 2.6231,
5.4545

 179.2724,
123.5324, 163.2321

 4.9514, 0.9383,
2.4530

 219.4762,
155.7636, 202.9656

 2.2532, 0.0000,
0.8151

265.2819,

 0.7706, 0.0000,

193.1636, 248.6741

0.0000

317.0546,
236.1168, 300.7764

■ 0.0000, 0.0000,
0.0000

■ 49.4917, 26.4548,
39.5436

■ 49.4917, 26.4548,
39.5436

■ 47.6952, 24.4161,
34.1531

■ 51.9843, 29.7500,
45.5847

■ 46.4479, 23.3434,
29.3534

■ 55.2602, 34.4728,
52.3146

■ 46.4472, 23.3429,
29.3505

■ 59.3951, 40.7720,
59.7684

■ 64.4550, 48.7762,
67.9772

■ 70.4991, 58.6009,
76.9696

■ 77.5812, 70.3513,
86.7723

■ 85.7514, 84.1244,
97.4104

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.



43.1269, 26.4548, 81.2643



49.4917, 26.4548, 39.5436



48.1247, 26.4548, 13.6663

Triad

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



49.4917, 26.4548, 39.5436



19.0719, 26.4548, 1.7894



14.6280, 26.4548, 95.7753

Complementary

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



49.4917, 26.4548, 39.5436



41.7146, 74.0597, 36.1471

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.



10.9691, 26.4548, 52.3126



49.4917, 26.4548, 39.5436



13.0183, 26.4548, 5.8258

Square

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



49.4917, 26.4548, 39.5436



28.6578, 26.4548, 1.4231



10.4715, 26.4548, 20.2108



21.9307, 26.4548, 125.4520

Rectangle

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



49.4917, 26.4548, 39.5436



43.1145, 26.4548, 5.8157



10.4715, 26.4548, 20.2108



13.0239, 26.4548, 81.3233

Sweetspot

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



49.4925, 26.4562, 39.5440



74.6159, 65.4061, 82.7461



29.3894, 14.8241, 95.9201



15.4373, 13.1156, 16.9685



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.



49.4925, 26.4562, 39.5440



46.9036, 23.7026, 31.2078



43.4684, 24.0466, 7.8217



18.4460, 18.1617, 20.9659



24.3459, 12.2277, 15.7381



2.4252, 1.2125, 1.8205

Inverse Universe

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



49.4925, 26.4562, 39.5440



46.9036, 23.7026, 31.2078



52.5589, 78.3974, 93.2520



18.4460, 18.1617, 20.9659



24.3459, 12.2277, 15.7381



2.4252, 1.2125, 1.8205

Previews

White Background



This preview shows how the XYZ color 49.4917, 26.4548, 39.5436 looks on a white background.

Color Contrast Check

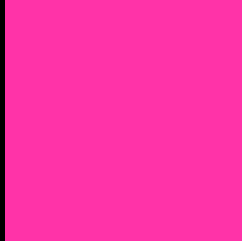
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.4917, 26.4548, 39.5436 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 49.4917, 26.4548, 39.5436

Background



This preview shows how black text looks on a background with the XYZ color 49.4917, 26.4548, 39.5436.



This preview shows how white text looks on a background with the XYZ color 49.4917, 26.4548,

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

49.4917, 26.4548, 39.5436

Protanopia

29.0359, 26.8426, 77.0496

Deuteranopia

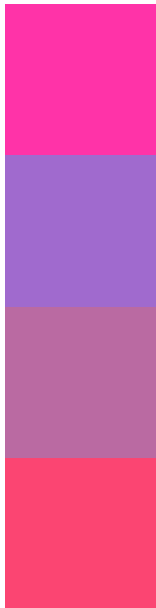
27.1498, 26.5630, 36.0440



Tritanopia

43.4242, 26.3562, 10.9822

Trichromacy



Original Color

49.4917, 26.4548, 39.5436

Protanomaly

30.7918, 22.2379, 61.0620

Deuteranomaly

31.9253, 23.3558, 37.0079

Tritanomaly

44.9490, 25.9804, 18.5652

Monochromacy



Original Color

49.4917, 26.4548, 39.5436

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

26.1887, 19.4291, 27.5692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4917, 26.4548, 39.5436 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 168) }
```

Border

The CSS property to change the border of an element to XYZ 49.4917, 26.4548, 39.5436 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, 168) }
```


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

```
.border{ border-color:rgb(255, 51, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 168); box-shadow:4px 4px 4px 4px rgb(255, 51, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4917, 26.4548, 39.5436 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, 168) }
```

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

```
.background{ background-color: rgb(255, 51,  
168) }
```

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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