

Converting Colors

XYZ(49.7977, 28.1233, 40.9067)

Have a look what the booklet for
XYZ(49.7977, 28.1233, 40.9067)
contains.

XYZ(49.5907, 27.9780, 40.8168)	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(49.5907, 27.9780,
40.8168)**

Conversions

Conversions Part 1

Format	Color
Hex	FC46AA
RGB	252, 70, 170
RGB Percent	99%, 27%, 67%
CMY	0.0118, 0.7254, 0.3333
CMYK	0.00, 0.72, 0.33, 0.01
HSL	327°, 97%, 63%
HSV	327°, 72%, 99%
XYZ	49.5907, 27.9780, 40.8168
YIQ	135.8180, 76.3720, 69.6840

Conversions

Conversions Part 2

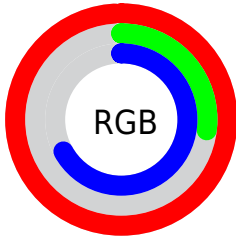
Format	Color
R _Y B	252, 70, 170
Decimal	16533162
CIE Lab	59.87, 75.50, -13.40
CIE LCh	60, 76.682, 349.936
Yxy	27.9780, 0.4189, 0.2363
Android (android.graphics.Color)	4294723242 (0xFFFC46AA)
YUV	135.8180, 16.8517, 101.8916
Hunter-Lab	52.8942, 74.7868, -8.7262

Details

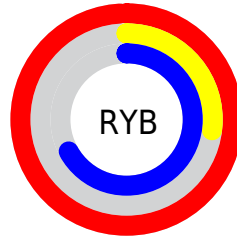
The XYZ color **49.5907, 27.9780, 40.8168** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **43.0054, 73.1907, 41.5711**, and the grayscale version is **23.2545, 24.4656, 26.6430**.

A 20% lighter version of the original color is **63.0819, 43.1988, 76.2476**, and **24.7559, 12.3844, 18.2252** is the 20% darker color. If you saturate the color by 10%, you get **47.3034, 25.0488, 34.9818**, and if you desaturate by 10%, it is **52.6332, 32.2688, 47.3617**.

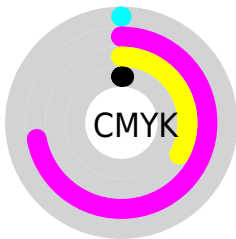
Distribution



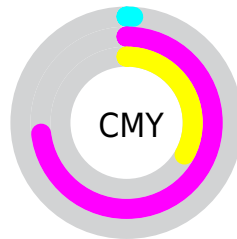
- Red (99%)
- Green (27%)
- Blue (67%)



- Red (99%)
- Yellow (27%)
- Blue (67%)



- Cyan (0%)
- Magenta (72%)
- Yellow (33%)
- Black (1%)





- Cyan (1%)
- Magenta (73%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5907, 27.9780, 40.8168 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 49.5907, 27.9780, 40.8168 by changing the saturation by 10% instead.


 49.5907, 27.9780,
40.8168


 49.5907, 27.9780,
40.8168

375.5417,
292.3618, 365.2083

 35.3048, 18.3091,
27.8573


 88.7636, 56.4493,
77.6564


 24.0653, 11.1721,
17.9800


 114.3813, 76.0205,
102.3735

 15.5071, 6.1827,
10.7664


 144.5069, 99.6612,
131.8470

 9.2647, 2.9565,
5.7978

 179.5058,
127.7559, 166.4954

 4.9727, 1.1091,
2.6557

 219.7434,
160.6889, 206.7372

 2.2658, 0.0000,
0.9210

265.5850,

 0.7771, 0.0000,

198.8446, 252.9909

0.0000

317.3960,
242.6074, 305.6751

■ 0.0000, 0.0000,
0.0000

■ 49.5907, 27.9780,
40.8168

■ 49.5907, 27.9780,
40.8168

■ 47.3034, 25.0488,
34.9818

■ 52.6332, 32.2688,
47.3617

■ 45.6776, 23.2979,
29.8133


■ 56.5042, 38.0649,
54.6515


■ 44.7654, 22.5436,
26.2098

■ 61.2708, 45.4963,
62.7193

■ 66.9918, 54.6779,
71.5953

■ 73.7212, 65.7140,
81.3074

 81.5086, 78.7006,
91.8819

 90.4001, 93.7272,
103.3437

 93.9549, 99.4355,
108.8488

Harmonies

Analogous

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



43.6318, 27.9780, 79.5927



49.5907, 27.9780, 40.8168



48.3390, 27.9780, 15.6040

Triad

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



49.5907, 27.9780, 40.8168



20.7102, 27.9780, 2.7559



16.2777, 27.9780, 92.6114

Complementary

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



49.5907, 27.9780, 40.8168



43.0054, 73.1907, 41.5711

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.



12.5984, 27.9780, 52.6253



49.5907, 27.9780, 40.8168



14.6912, 27.9780, 7.3551

Square

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



49.5907, 27.9780, 40.8168



29.9969, 27.9780, 2.3025



12.0988, 27.9780, 22.0278



23.4555, 27.9780, 119.5180

Rectangle

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



49.5907, 27.9780, 40.8168



43.6691, 27.9780, 7.3906



12.0988, 27.9780, 22.0278



14.6732, 27.9780, 79.4195

Sweetspot

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



49.5915, 27.9795, 40.8173



75.8844, 67.7584, 83.7381



32.6929, 18.0764, 93.8615



15.8171, 13.8008, 17.3244



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.



49.5915, 27.9795, 40.8173



47.7078, 24.7240, 33.2857



43.7511, 25.6433, 10.0620



17.6437, 17.3848, 19.9794



23.3942, 11.7734, 14.0502



2.2202, 1.1118, 1.5827

Inverse Universe

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



49.5915, 27.9795, 40.8173



47.7078, 24.7240, 33.2857



53.4997, 77.3884, 96.8331



17.6437, 17.3848, 19.9794



23.3942, 11.7734, 14.0502



2.2202, 1.1118, 1.5827

Previews

White Background



This preview shows how the XYZ color 49.5907, 27.9780, 40.8168 looks on a white background.

Color Contrast Check

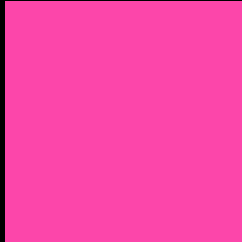
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.5907, 27.9780, 40.8168 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 49.5907, 27.9780, 40.8168

Background



This preview shows how black text looks on a background with the XYZ color 49.5907, 27.9780, 40.8168.



This preview shows how white text looks on a background with the XYZ color 49.5907, 27.9780,

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

49.5907, 27.9780, 40.8168

Protanopia

29.9274, 28.2952, 71.5943

Deuteranopia

28.6325, 28.1671, 37.1854



Tritanopia

44.1253, 27.9310, 14.1319

Trichromacy



Original Color

49.5907, 27.9780, 40.8168



Protanomaly

32.6319, 24.8620, 58.9561



Deuteranomaly

33.5706, 25.6332, 38.3003



Tritanomaly

45.7353, 27.7563, 21.6859

Monochromacy



Original Color

49.5907, 27.9780, 40.8168



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

29.4996, 23.1914, 30.9386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5907, 27.9780, 40.8168 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(252, 70, 170)` looks like.

```
.text, #text, p{  
    color:rgb(252, 70, 170)  
}
```

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(252, 70, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 70, 170) }
```

Border

The CSS property to change the border of an element to XYZ 49.5907, 27.9780, 40.8168 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(252, 70, 170) }
```


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

```
.border{ border-color:rgb(252, 70, 170) }
```

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

Here you see how a box with a 4 pixel rgb(252, 70, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 70, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 70, 170);  
box-shadow:4px 4px 4px 4px rgb(252, 70,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5907, 27.9780, 40.8168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 70, 170) }
```

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

```
.background{ background-color: rgb(252, 70,  
170) }
```

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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