

Converting Colors

XYZ(49.2712, 27.6791, 57.5346)

Have a look what the booklet for
XYZ(49.2712, 27.6791, 57.5346)
contains.

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Color

**XYZ(49.3606, 27.6821,
57.3852)**

Conversions

Conversions Part 1

Format	Color
Hex	F248C8
RGB	242, 72, 200
RGB Percent	95%, 28%, 78%
CMY	0.0510, 0.7176, 0.2157
CMYK	0.00, 0.70, 0.17, 0.05
HSL	315°, 87%, 62%
HSV	315°, 70%, 95%
XYZ	49.3606, 27.6821, 57.3852
YIQ	137.4220, 60.2320, 75.8480

Conversions

Conversions Part 2

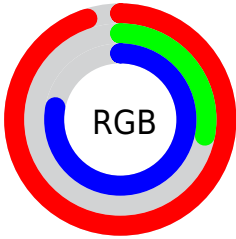
Format	Color
R_{YB}	242, 72, 200
Decimal	15878344
CIE _{Lab}	59.60, 76.04, -31.21
CIE _{LCh}	60, 82.190, 337.686
Yxy	27.6821, 0.3672, 0.2059
Android (android.graphics.Color)	4294068424 (0xFFFF248C8)
YUV	137.4220, 30.8510, 91.7149
Hunter-Lab	52.6138, 75.3890, -27.8372

Details

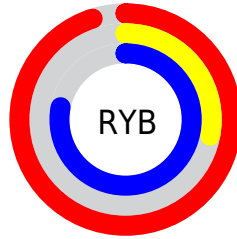
The XYZ color **49.3606, 27.6821, 57.3852** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **37.4633, 66.0978, 26.7061**, and the grayscale version is **23.8100, 25.0500, 27.2795**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **24.4797, 12.0204, 28.2241** is the 20% darker color. If you saturate the color by 10%, you get **47.4073, 24.8717, 53.3536**, and if you desaturate by 10%, it is **51.9583, 31.7367, 61.7669**.

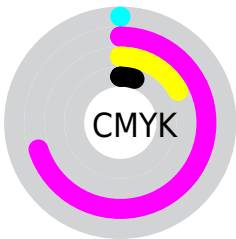
Distribution



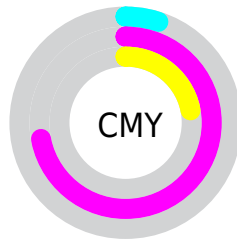
- Red (95%)
- Green (28%)
- Blue (78%)



- Red (95%)
- Yellow (28%)
- Blue (78%)



- Cyan (0%)
- Magenta (70%)
- Yellow (17%)
- Black (5%)





- Cyan (5%)
- Magenta (72%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3606, 27.6821, 57.3852 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 49.3606, 27.6821, 57.3852 by changing the saturation by 10% instead.


 49.3606, 27.6821,
57.3852

 49.3606, 27.6821,
57.3852


374.6537,
290.9447, 432.4252

 35.1213, 18.0862,
40.9032


 88.4243, 55.9765,
102.5329


 23.9233, 11.0119,
27.9243


 113.9794, 75.4437,
132.0357

 15.4012, 6.0748,
18.0301


 144.0372, 98.9702,
166.7158

 9.1896, 2.8906,
10.8019

 178.9630,
126.9403, 206.9918

 4.9231, 1.0749,
5.8213

219.1222,
159.7384, 253.2822

 2.2365, 0.0000,
2.6697

264.8802,

 0.7619, 0.0000,

197.7489, 306.0055

0.9281

316.6022,
241.3562, 365.5804

■ 0.0000, 0.0000,
0.0000

■ 49.3606, 27.6821,
57.3852

■ 49.3606, 27.6821,
57.3852

■ 47.4073, 24.8717,
53.3536

■ 51.9583, 31.7367,
61.7669

■ 46.0184, 23.1473,
49.6432


■ 55.2625, 37.1605,
66.5202

■ 45.0833, 22.2634,
46.2904

■ 59.3308, 44.0678,
71.6660


■ 64.2141, 52.5599,
77.2228

■ 69.9587, 62.7290,
83.2073

 76.6074, 74.6603,
89.6353

 84.2002, 88.4331,
96.5215

 89.2956, 97.1643,
102.7200

 90.2376, 97.5411,
107.6803

Harmonies

Analogous

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



40.4550, 27.6821, 101.5229



49.3606, 27.6821, 57.3852



51.3831, 27.6821, 23.1402

Triad

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



49.3606, 27.6821, 57.3852



23.7370, 27.6821, 1.5909



13.4914, 27.6821, 80.1607

Complementary

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



49.3606, 27.6821, 57.3852



37.4633, 66.0978, 26.7061

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.



11.1019, 27.6821, 38.4284



49.3606, 27.6821, 57.3852



15.9203, 27.6821, 3.7903

Square

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



49.3606, 27.6821, 57.3852



34.6168, 27.6821, 2.1803



11.8564, 27.6821, 13.2623



19.4529, 27.6821, 119.6408

Rectangle

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



49.3606, 27.6821, 57.3852



48.1706, 27.6821, 10.6528



11.8564, 27.6821, 13.2623



12.3261, 27.6821, 65.1522

Sweetspot

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



49.3615, 27.6835, 57.3857



78.2241, 69.6404, 93.1419



24.9858, 14.4702, 85.4810



16.3432, 14.1950, 19.5286



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.



49.3615, 27.6835, 57.3857



52.6958, 27.1000, 58.3784



42.1671, 24.8057, 19.5003



16.2776, 15.9608, 19.0182



24.2761, 11.9829, 25.1685



2.0587, 1.0125, 2.2999

Inverse Universe

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



49.3615, 27.6835, 57.3857



52.6958, 27.1000, 58.3784



44.4657, 68.8988, 63.5803



16.2776, 15.9608, 19.0182



24.2761, 11.9829, 25.1685



2.0587, 1.0125, 2.2999

Previews

White Background



This preview shows how the XYZ color 49.3606, 27.6821, 57.3852 looks on a white background.

Color Contrast Check

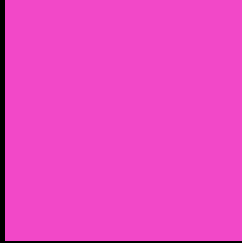
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.3606, 27.6821, 57.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

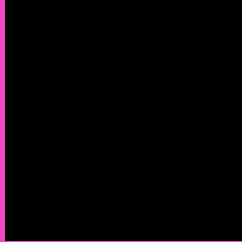
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.3606, 27.6821, 57.3852

Background



This preview shows how black text looks on a background with the XYZ color 49.3606, 27.6821, 57.3852.



This preview shows how white text looks on a background with the XYZ color 49.3606, 27.6821,

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

49.3606, 27.6821, 57.3852

Protanopia

31.6445, 28.1498, 98.3734

Deuteranopia

28.6401, 28.0503, 52.6199



Tritanopia

40.8153, 27.4995, 17.0667

Trichromacy



Original Color

49.3606, 27.6821, 57.3852



Protanomaly

32.8032, 24.2794, 81.5547



Deuteranomaly

33.3325, 25.5019, 54.2045



Tritanomaly

43.0560, 27.0683, 28.1547

Monochromacy



Original Color

49.3606, 27.6821, 57.3852



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

29.9295, 23.4623, 36.2089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3606, 27.6821, 57.3852 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(242, 72, 200)` looks like.

```
.text, #text, p{  
    color:rgb(242, 72, 200)  
}
```

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(242, 72, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 72, 200) }
```

Border

The CSS property to change the border of an element to XYZ 49.3606, 27.6821, 57.3852 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(242, 72, 200) }
```


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

```
.border{ border-color:rgb(242, 72, 200) }
```

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

Here you see how a box with a 4 pixel rgb(242, 72, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 72, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 72, 200);  
box-shadow:4px 4px 4px 4px rgb(242, 72,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3606, 27.6821, 57.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 72, 200) }
```

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

```
.background{ background-color: rgb(242, 72,  
200) }
```

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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