

Converting Colors

XYZ(49.0015, 26.1147, 59.4644)

Have a look what the booklet for
XYZ(49.0015, 26.1147, 59.4644)
contains.

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Color

**XYZ(48.9312, 26.0652,
59.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	F238CC
RGB	242, 56, 204
RGB Percent	95%, 22%, 80%
CMY	0.0510, 0.7803, 0.2000
CMYK	0.00, 0.77, 0.16, 0.05
HSL	312°, 88%, 58%
HSV	312°, 77%, 95%
XYZ	48.9312, 26.0652, 59.5789
YIQ	128.4860, 63.3480, 85.4600

Conversions

Conversions Part 2

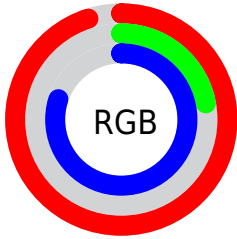
Format	Color
R _Y B	242, 56, 204
Decimal	15874252
CIE Lab	58.10, 81.34, -35.83
CIE LCh	58, 88.880, 336.228
Yxy	26.0652, 0.3636, 0.1937
Android (android.graphics.Color)	4294064332 (0xFFFF238CC)
YUV	128.4860, 37.2284, 99.5518
Hunter-Lab	51.0541, 81.7331, -33.4521

Details

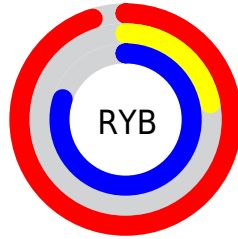
The XYZ color **48.9312, 26.0652, 59.5789** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **35.4048, 65.1542, 21.3025**, and the grayscale version is **20.5478, 21.6178, 23.5418**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **24.4809, 11.9937, 29.4585** is the 20% darker color. If you saturate the color by 10%, you get **47.4450, 24.0264, 56.2039**, and if you desaturate by 10%, it is **51.0042, 29.2465, 63.2428**.

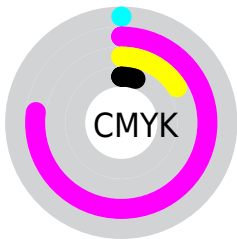
Distribution



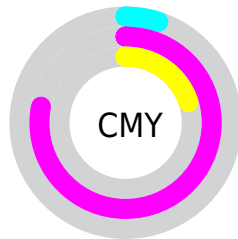
- Red (95%)
- Green (22%)
- Blue (80%)



- Red (95%)
- Yellow (22%)
- Blue (80%)



- Cyan (0%)
- Magenta (77%)
- Yellow (16%)
- Black (5%)





- Cyan (5%)
- Magenta (78%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9312, 26.0652, 59.5789 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 48.9312, 26.0652, 59.5789 by changing the saturation by 10% instead.


 48.9312, 26.0652,
59.5789

 48.9312, 26.0652,
59.5789


372.9929,
283.1020, 440.8053


 34.7792, 16.8724,
42.6562


 87.7906, 53.3801,
105.7559


 23.6586, 10.1436,
29.2861


 113.2287, 72.2710,
135.8474


 15.2039, 5.4943,
19.0499


 143.1596, 95.1635,
171.1656

 9.0499, 2.5401,
11.5292

 177.9486,
122.4418, 212.1289

 4.8311, 0.8966,
6.3053

 217.9611,
154.4904, 259.1560

 2.1822, 0.0000,
2.9598

263.5624,

 0.7334, 0.0000,

191.6937, 312.6654

1.0742

315.1178,
234.4361, 373.0757

■ 0.0000, 0.0000,
0.0000

■ 48.9312, 26.0652,
59.5789

■ 48.9312, 26.0652,
59.5789

■ 47.4450, 24.0264,
56.2039

■ 51.0042, 29.2465,
63.2428

■ 46.4510, 22.9427,
53.0848

■ 53.7336, 33.7105,
67.2190

■ 46.1945, 22.7079,
52.1414

■ 57.1817, 39.5815,
71.5294

■ 61.4032, 46.9681,
76.1929

■ 66.4469, 55.9680,
81.2266

72.3578, 66.6710,
86.6465

79.1776, 79.1600,
92.4670

86.9452, 93.5125,
98.7021

89.3993, 97.2058,
103.2652

Harmonies

Analogous

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



39.1179, 26.0652, 107.9928



48.9312, 26.0652, 59.5789



51.5466, 26.0652, 22.4275

Triad

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



48.9312, 26.0652, 59.5789



22.5975, 26.0652, 0.8261



11.5553, 26.0652, 79.7527

Complementary

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



48.9312, 26.0652, 59.5789



35.4048, 65.1542, 21.3025

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.



9.3771, 26.0652, 35.3036



48.9312, 26.0652, 59.5789



14.4510, 26.0652, 2.3979

Square

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



48.9312, 26.0652, 59.5789



34.0814, 26.0652, 1.3612



10.2577, 26.0652, 10.5739



17.3374, 26.0652, 124.4241

Rectangle

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



48.9312, 26.0652, 59.5789



48.3438, 26.0652, 9.4267



10.2577, 26.0652, 10.5739



10.4672, 26.0652, 63.4314

Sweetspot

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



48.9321, 26.0665, 59.5794



77.2392, 67.3700, 93.7402



21.9773, 11.5784, 85.0816



16.0396, 13.5313, 19.6013



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.



48.9321, 26.0665, 59.5794



52.7681, 26.2829, 61.3669



40.9469, 22.8724, 17.5300



16.3078, 15.9728, 19.1771



24.8666, 12.2191, 28.2779



2.1032, 1.0303, 2.5343

Inverse Universe

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



48.9321, 26.0665, 59.5794



52.7681, 26.2829, 61.3669



42.2685, 67.8997, 57.4463



16.3078, 15.9728, 19.1771



24.8666, 12.2191, 28.2779



2.1032, 1.0303, 2.5343

Previews

White Background



This preview shows how the XYZ color 48.9312, 26.0652, 59.5789 looks on a white background.

Color Contrast Check

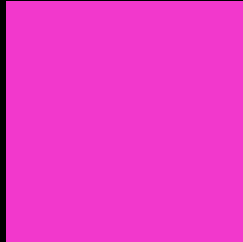
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.9312, 26.0652, 59.5789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

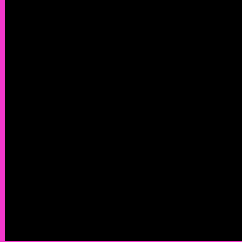
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.9312, 26.0652, 59.5789

Background



This preview shows how black text looks on a background with the XYZ color 48.9312, 26.0652, 59.5789.



This preview shows how white text looks on a background with the XYZ color 48.9312, 26.0652,

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

48.9312, 26.0652, 59.5789

Protanopia

30.1624, 26.5338, 98.1395

Deuteranopia

26.8825, 26.2382, 54.0997



Tritanopia

39.4452, 25.8854, 14.7218

Trichromacy



Original Color

48.9312, 26.0652, 59.5789



Protanomaly

31.0455, 22.0605, 81.9787



Deuteranomaly

31.1665, 22.8633, 55.5937



Tritanomaly

41.9761, 25.3763, 26.3526

Monochromacy



Original Color

48.9312, 26.0652, 59.5789



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

27.1143, 20.3381, 33.9490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9312, 26.0652, 59.5789 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, 56, 204)` looks like.

```
.text, #text, p{  
    color:rgb(242, 56, 204)  
}
```

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, 56, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 56, 204) }
```

Border

The CSS property to change the border of an element to XYZ 48.9312, 26.0652, 59.5789 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, 56, 204) }
```


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

```
.border{ border-color:rgb(242, 56, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 56, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 56, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 56, 204);  
box-shadow:4px 4px 4px 4px rgb(242, 56,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9312, 26.0652, 59.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 56, 204) }
```

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

```
.background{ background-color: rgb(242, 56,  
204) }
```

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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