

Converting Colors

XYZ(48.8457, 26.0268, 36.6643)

Have a look what the booklet for
XYZ(48.8457, 26.0268, 36.6643)
contains.

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Color

**XYZ(48.8599, 26.0653,
36.6383)**

Conversions

Conversions Part 1

Format	Color
Hex	FF31A2
RGB	255, 49, 162
RGB Percent	100%, 19%, 64%
CMY	0.0000, 0.8078, 0.3647
CMYK	0.00, 0.81, 0.36, 0.00
HSL	327°, 100%, 60%
HSV	327°, 81%, 100%
XYZ	48.8599, 26.0653, 36.6383
YIQ	123.4760, 86.5030, 78.8150

Conversions

Conversions Part 2

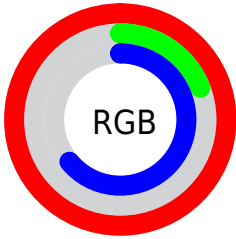
Format	Color
RYB	255, 49, 162
Decimal	16724386
CIELab	58.10, 81.14, -11.35
CIElCh	58, 81.934, 352.036
Yxy	26.0653, 0.4380, 0.2336
Android (android.graphics.Color)	4294914466 (0xFFFF31A2)
YUV	123.4760, 18.9923, 115.3465
Hunter-Lab	51.0542, 81.4833, -6.8107

Details

The XYZ color **48.8599, 26.0653, 36.6383** 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 **41.9113, 74.1269, 37.6970**, and the grayscale version is **18.9059, 19.8905, 21.6607**.

A 20% lighter version of the original color is **60.2428, 39.2266, 70.0420**, and **24.8068, 12.4632, 15.8500** is the 20% darker color. If you saturate the color by 10%, you get **47.1011, 24.1113, 31.2318**, and if you desaturate by 10%, it is **51.3161, 29.2640, 42.7400**.

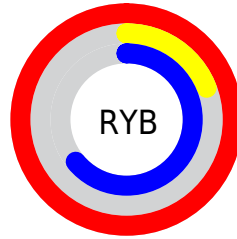
Distribution



Red (100%)

Green (19%)

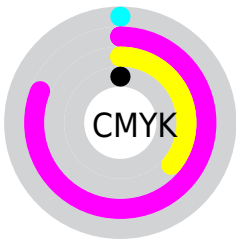
Blue (64%)



Red (100%)

Yellow (19%)

Blue (64%)

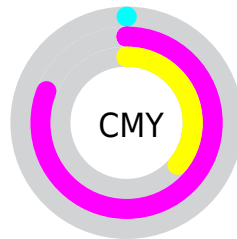


Cyan (0%)

Magenta (81%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (81%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8599, 26.0653, 36.6383 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 48.8599, 26.0653, 36.6383 by changing the saturation by 10% instead.


 48.8599, 26.0653,
36.6383


 48.8599, 26.0653,
36.6383


372.7166,
283.1025, 346.8633


 34.7224, 16.8725,
24.6340


 87.6853, 53.3803,
71.1962


 23.6147, 10.1436,
15.5880


 113.1040, 72.2712,
94.5869


 15.1712, 5.4943,
9.0819


 143.0137, 95.1637,
122.6102

 9.0267, 2.5401,
4.6971

 177.7800,
122.4421, 155.6845

 4.8159, 0.8966,
2.0151

 217.7680,
154.4907, 194.2284

 2.1733, 0.0000,
0.5645

263.3432,

 0.7286, 0.0000,

191.6941, 238.6605

0.0000

314.8710,
234.4366, 289.3993

■ 0.0000, 0.0000,
0.0000

■ 48.8599, 26.0653,
36.6383

■ 48.8599, 26.0653,
36.6383

■ 47.1011, 24.1113,
31.2318

■ 51.3161, 29.2640,
42.7400

■ 45.9640, 23.1496,
26.8061

■ 54.5586, 33.8816,
49.5779

■ 58.6647, 40.0688,
57.1892

■ 63.7011, 47.9556,
65.6074

■ 69.7278, 57.6584,
74.8631

76.7996, 69.2833,
84.9849

84.9670, 82.9282,
95.9998

94.2771, 98.6842,
107.9331

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.



43.0510, 26.0653, 76.9662



48.8599, 26.0653, 36.6383



46.9832, 26.0653, 12.4281

Triad

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



48.8599, 26.0653, 36.6383



18.2873, 26.0653, 1.8926



14.7990, 26.0653, 96.8655

Complementary

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



48.8599, 26.0653, 36.6383



41.9113, 74.1269, 37.6970

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.



10.9704, 26.0653, 54.1923



48.8599, 26.0653, 36.6383



12.5778, 26.0653, 6.2996

Square

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



48.8599, 26.0653, 36.6383



27.5109, 26.0653, 1.3785



10.2830, 26.0653, 21.4675



22.2254, 26.0653, 124.0763

Rectangle

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



48.8599, 26.0653, 36.6383



41.8046, 26.0653, 5.2717



10.2830, 26.0653, 21.4675



13.1402, 26.0653, 82.8919

Sweetspot

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



48.8607, 26.0668, 36.6387



74.4034, 65.3210, 81.6268



30.2546, 15.1432, 95.9360



15.3862, 13.0952, 16.6997



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.



48.8607, 26.0668, 36.6387



46.3055, 23.4190, 28.1949



43.1367, 23.7772, 6.4968



18.4263, 18.1538, 20.8620



24.0936, 12.1267, 14.4090



2.4010, 1.2028, 1.6932

Inverse Universe

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



48.8607, 26.0668, 36.6387



46.3055, 23.4190, 28.1949



53.4632, 78.7477, 98.5290



18.4263, 18.1538, 20.8620



24.0936, 12.1267, 14.4090



2.4010, 1.2028, 1.6932

Previews

White Background



This preview shows how the XYZ color 48.8599, 26.0653, 36.6383 looks on a white background.

Color Contrast Check

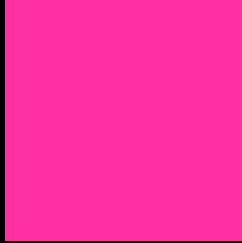
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8599, 26.0653, 36.6383 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 48.8599, 26.0653, 36.6383

Background



This preview shows how black text looks on a background with the XYZ color 48.8599, 26.0653, 36.6383.



This preview shows how white text looks on a background with the XYZ color 48.8599, 26.0653,

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

48.8599, 26.0653, 36.6383

Protanopia

28.3035, 26.3630, 72.0034

Deuteranopia

26.6844, 26.1712, 33.3509



Tritanopia

43.4568, 26.0721, 10.3314

Trichromacy



Original Color

48.8599, 26.0653, 36.6383



Protanomaly

30.3772, 21.9547, 57.2802



Deuteranomaly

31.4446, 22.8657, 34.2087



Tritanomaly

44.9076, 25.7177, 17.3490

Monochromacy



Original Color

48.8599, 26.0653, 36.6383



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

25.4928, 18.8298, 25.9578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8599, 26.0653, 36.6383 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, 49, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 162)  
}
```

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, 49, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 162) }
```

Border

The CSS property to change the border of an element to XYZ 48.8599, 26.0653, 36.6383 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, 49, 162) }
```


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

```
.border{ border-color:rgb(255, 49, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 49, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8599, 26.0653, 36.6383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 162) }
```

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

```
.background{ background-color: rgb(255, 49,  
162) }
```

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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