

Converting Colors

XYZ(48.6990, 26.1420, 35.3562)

Have a look what the booklet for
XYZ(48.6990, 26.1420, 35.3562)
contains.

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Color

**XYZ(48.6818, 26.1309,
35.2788)**

Conversions

Conversions Part 1

Format	Color
Hex	FF339F
RGB	255, 51, 159
RGB Percent	100%, 20%, 62%
CMY	0.0000, 0.7999, 0.3765
CMYK	0.00, 0.80, 0.38, 0.00
HSL	328°, 100%, 60%
HSV	328°, 80%, 100%
XYZ	48.6818, 26.1309, 35.2788
YIQ	124.3080, 86.9160, 76.8360

Conversions

Conversions Part 2

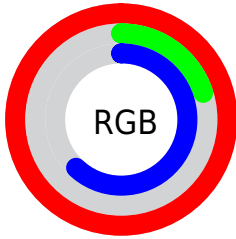
Format	Color
R _Y B	255, 51, 159
Decimal	16724895
CIE Lab	58.16, 80.39, -9.50
CIE LCh	58, 80.948, 353.258
Yxy	26.1309, 0.4422, 0.2374
Android (android.graphics.Color)	4294914975 (0xFFFF339F)
YUV	124.3080, 17.1032, 114.6169
Hunter-Lab	51.1184, 80.5345, -5.1355

Details

The XYZ color **48.6818, 26.1309, 35.2788** 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 **42.3938, 74.3312, 39.7237**, and the grayscale version is **19.1880, 20.1873, 21.9840**.

A 20% lighter version of the original color is **59.9744, 39.3087, 68.0447**, and **24.6991, 12.4202, 15.2829** is the 20% darker color. If you saturate the color by 10%, you get **46.8651, 24.0841, 29.7821**, and if you desaturate by 10%, it is **51.2110, 29.4408, 41.5122**.

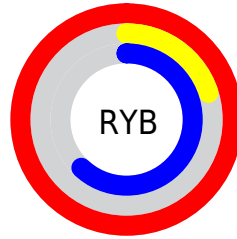
Distribution



Red (100%)

Green (20%)

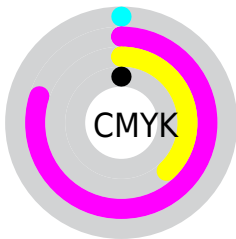
Blue (62%)



Red (100%)

Yellow (20%)

Blue (62%)

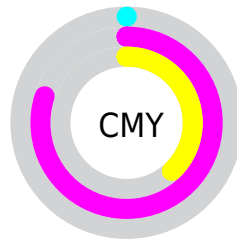


Cyan (0%)

Magenta (80%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6818, 26.1309, 35.2788 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 48.6818, 26.1309, 35.2788 by changing the saturation by 10% instead.


 48.6818, 26.1309,
35.2788


 48.6818, 26.1309,
35.2788


372.0261,
283.4241, 340.7388

 34.5806, 16.9216,
23.5924


 87.4222, 53.4860,
69.0739


 23.5050, 10.1786,
14.8222


 112.7922, 72.4007,
92.0198


 15.0896, 5.5175,
8.5494


 142.6492, 95.3192,
119.5558

 8.9690, 2.5540,
4.3557

 177.3585,
122.6260, 152.1007

 4.7779, 0.9036,
1.8224

 217.2854,
154.7055, 190.0729

 2.1510, 0.0000,
0.4427

262.7955,

 0.7167, 0.0000,

191.9421, 233.8909

0.0000

314.2539,
234.7201, 283.9734

■ 0.0000, 0.0000,
0.0000

■ 48.6818, 26.1309,
35.2788

■ 48.6818, 26.1309,
35.2788

■ 46.8651, 24.0841,
29.7821

■ 51.2110, 29.4408,
41.5122

■ 45.6132, 23.0096,
24.9583

■ 54.5405, 34.1851,
48.5248

■ 45.6124, 23.0090,
24.9552

■ 58.7470, 40.5130,
56.3552

■ 63.8970, 48.5533,
65.0382

■ 70.0503, 58.4218,
74.6059

■ 77.2616, 70.2238,
85.0883

■ 85.5813, 84.0568,
96.5136

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



43.2324, 26.1309, 74.5654



48.6818, 26.1309, 35.2788



46.5174, 26.1309, 12.0037

Triad

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



48.6818, 26.1309, 35.2788



18.1061, 26.1309, 2.0835



15.1730, 26.1309, 97.4376

Complementary

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



48.6818, 26.1309, 35.2788



42.3938, 74.3312, 39.7237

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.



11.2219, 26.1309, 55.5693



48.6818, 26.1309, 35.2788



12.5773, 26.1309, 6.8232

Square

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



48.6818, 26.1309, 35.2788



27.1181, 26.1309, 1.4564



10.4160, 26.1309, 22.5683



22.6868, 26.1309, 122.9254

Rectangle

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



48.6818, 26.1309, 35.2788



41.2679, 26.1309, 5.1632



10.4160, 26.1309, 22.5683



13.4738, 26.1309, 83.8728

Sweetspot

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



48.6826, 26.1324, 35.2792



74.2419, 65.2565, 80.7766



31.1259, 15.7194, 96.0012



15.3475, 13.0797, 16.4957



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.



48.6826, 26.1324, 35.2792



46.0689, 23.3687, 26.8126



43.1836, 23.9328, 6.3221



18.4112, 18.1478, 20.7827



23.9097, 12.0532, 13.4407



2.3832, 1.1957, 1.5995

Inverse Universe

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



48.6826, 26.1324, 35.2792



46.0689, 23.3687, 26.8126



54.1004, 79.0139, 101.3698



18.4112, 18.1478, 20.7827



23.9097, 12.0532, 13.4407



2.3832, 1.1957, 1.5995

Previews

White Background



This preview shows how the XYZ color 48.6818, 26.1309, 35.2788 looks on a white background.

Color Contrast Check

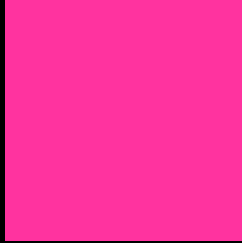
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.6818, 26.1309, 35.2788 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 48.6818, 26.1309, 35.2788

Background



This preview shows how black text looks on a background with the XYZ color 48.6818, 26.1309, 35.2788.



This preview shows how white text looks on a background with the XYZ color 48.6818, 26.1309,

35.2788.

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

48.6818, 26.1309, 35.2788

Protanopia

28.1652, 26.5796, 68.6116

Deuteranopia

26.8067, 26.2623, 32.0900



Tritanopia

43.4568, 26.0721, 10.3314

Trichromacy



Original Color

48.6818, 26.1309, 35.2788



Protanomaly

30.3142, 22.1407, 54.3056



Deuteranomaly

31.5404, 23.0944, 32.9323



Tritanomaly

44.9124, 25.8139, 17.0834

Monochromacy



Original Color

48.6818, 26.1309, 35.2788



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

25.8033, 19.1262, 25.9987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6818, 26.1309, 35.2788 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 159) }
```

Border

The CSS property to change the border of an element to XYZ 48.6818, 26.1309, 35.2788 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, 159) }
```


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

```
.border{ border-color:rgb(255, 51, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6818, 26.1309, 35.2788 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, 159) }
```

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

```
.background{ background-color: rgb(255, 51,  
159) }
```

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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