

Converting Colors

XYZ(48.2271, 27.9856, 33.6039)

Have a look what the booklet for
XYZ(48.2271, 27.9856, 33.6039)
contains.

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Color

**XYZ(48.2008, 28.0112,
33.4381)**

Conversions

Conversions Part 1

Format	Color
Hex	FB4C9A
RGB	251, 76, 154
RGB Percent	98%, 30%, 60%
CMY	0.0157, 0.7019, 0.3961
CMYK	0.00, 0.70, 0.39, 0.02
HSL	333°, 96%, 64%
HSV	333°, 70%, 98%
XYZ	48.2008, 28.0112, 33.4381
YIQ	137.2170, 79.2620, 61.3580

Conversions

Conversions Part 2

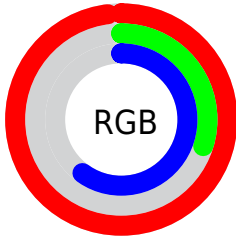
Format	Color
R _Y B	251, 76, 154
Decimal	16469146
CIE Lab	59.90, 71.58, -4.07
CIE LCh	60, 71.692, 356.742
Yxy	28.0112, 0.4396, 0.2555
Android (android.graphics.Color)	4294659226 (0xFFFB4C9A)
YUV	137.2170, 8.2740, 99.7877
Hunter-Lab	52.9256, 69.9450, -0.4112

Details

The XYZ color **48.2008, 28.0112, 33.4381** 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 **45.0223, 73.5487, 51.3639**, and the grayscale version is **23.8103, 25.0503, 27.2797**.

A 20% lighter version of the original color is **61.4293, 43.4224, 64.8182**, and **23.4344, 11.7981, 13.8741** is the 20% darker color. If you saturate the color by 10%, you get **45.7036, 24.7651, 27.2160**, and if you desaturate by 10%, it is **51.5079, 32.6621, 40.5934**.

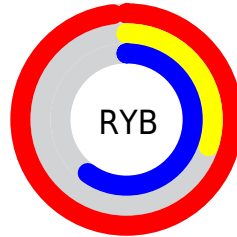
Distribution



Red (98%)

Green (30%)

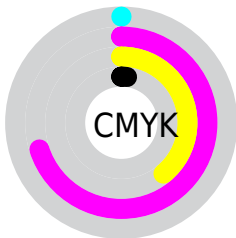
Blue (60%)



Red (98%)

Yellow (30%)

Blue (60%)

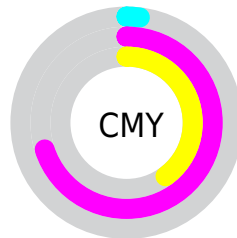


Cyan (0%)

Magenta (70%)

Yellow (39%)

Black (2%)



Cyan (2%)


Magenta (70%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2008, 28.0112, 33.4381 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 48.2008, 28.0112, 33.4381 by changing the saturation by 10% instead.

 48.2008, 28.0112,
33.4381

 48.2008, 28.0112,
33.4381


370.1569,
292.5204, 332.3116


 34.1978, 18.3341,
22.1884


 86.7112, 56.5023,
66.1828


 23.2092, 11.1901,
13.7958


 111.9493, 76.0851,
88.5149

 14.8696, 6.1949,
7.8416


 141.6632, 99.7386,
115.3781

 8.8137, 2.9639,
3.9075

 176.2183,
127.8472, 147.1912

 4.6760, 1.1129,
1.5747

215.9798,
160.7953, 184.3725

 2.0912, 0.0000,
0.2727

261.3132,

 0.6844, 0.0000,

198.9673, 227.3406

0.0000

312.5837,
242.7475, 276.5142

■ 0.0000, 0.0000,
0.0000

■ 48.2008, 28.0112,
33.4381

■ 48.2008, 28.0112,
33.4381

■ 45.7036, 24.7651,
27.2160

■ 51.5079, 32.6621,
40.5934

■ 43.9259, 22.7505,
21.8737

■ 55.6971, 38.8552,
48.7267

■ 42.7305, 21.7003,
17.3418

■ 60.8346, 46.7164,
57.8807

■ 42.7008, 21.6761,
17.2235

■ 66.9794, 56.3572,
68.0948

■ 74.1855, 67.8795,
79.4058

82.5028, 81.3774,
91.8485

91.9781, 96.9385,
105.4560

93.5936, 99.2492,
108.8318

Harmonies

Analogous

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



44.1060, 28.0112, 67.0769



48.2008, 28.0112, 33.4381



45.5135, 28.0112, 13.0470

Triad

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



48.2008, 28.0112, 33.4381



19.4990, 28.0112, 4.0635



18.1322, 28.0112, 94.5523

Complementary

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



48.2008, 28.0112, 33.4381



45.0223, 73.5487, 51.3639

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.



13.8522, 28.0112, 59.0729



48.2008, 28.0112, 33.4381



14.5058, 28.0112, 10.4411

Square

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



48.2008, 28.0112, 33.4381



27.6310, 28.0112, 2.8358



12.6934, 28.0112, 27.7382



25.6413, 28.0112, 112.9111

Rectangle

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



48.2008, 28.0112, 33.4381



40.5100, 28.0112, 6.6213



12.6934, 28.0112, 27.7382



16.3402, 28.0112, 83.5091

Sweetspot

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



48.2016, 28.0127, 33.4386



75.8655, 68.6969, 80.7219



37.0670, 20.9350, 93.3538



15.7811, 13.9701, 16.5684



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.



48.2016, 28.0127, 33.4386



46.4888, 24.6172, 25.6929



44.3182, 27.4905, 9.8099



17.5661, 17.3538, 19.5707



22.5161, 11.4222, 9.4261



2.1378, 1.0789, 1.1493

Inverse Universe

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



48.2016, 28.0127, 33.4386



46.4888, 24.6172, 25.6929



52.2206, 72.1554, 102.4417



17.5661, 17.3538, 19.5707



22.5161, 11.4222, 9.4261



2.1378, 1.0789, 1.1493

Previews

White Background



This preview shows how the XYZ color 48.2008, 28.0112, 33.4381 looks on a white background.

Color Contrast Check

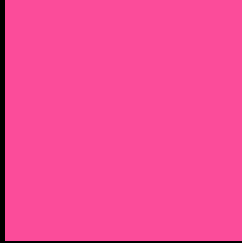
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.2008, 28.0112, 33.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

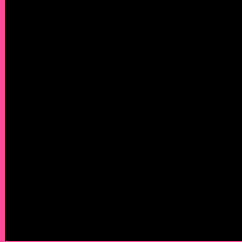
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.2008, 28.0112, 33.4381

Background



This preview shows how black text looks on a background with the XYZ color 48.2008, 28.0112, 33.4381.



This preview shows how white text looks on a background with the XYZ color 48.2008, 28.0112,

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

48.2008, 28.0112, 33.4381

Protanopia

28.9538, 28.3433, 56.7681

Deuteranopia

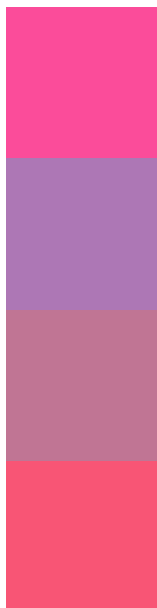
28.5895, 28.0696, 30.6992



Tritanopia

44.1253, 27.9310, 14.1319

Trichromacy



Original Color

48.2008, 28.0112, 33.4381

Protanomaly

32.1709, 25.4141, 46.9259

Deuteranomaly

33.4448, 26.0672, 31.2857

Tritanomaly

45.1708, 27.7378, 19.8028

Monochromacy



Original Color

48.2008, 28.0112, 33.4381

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

29.4488, 23.7096, 29.0109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2008, 28.0112, 33.4381 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(251, 76, 154)` looks like.

```
.text, #text, p{  
    color:rgb(251, 76, 154)  
}
```

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(251, 76, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 76, 154) }
```

Border

The CSS property to change the border of an element to XYZ 48.2008, 28.0112, 33.4381 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(251, 76, 154) }
```


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

```
.border{ border-color:rgb(251, 76, 154) }
```

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

Here you see how a box with a 4 pixel rgb(251, 76, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 76, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 76, 154);  
box-shadow:4px 4px 4px 4px rgb(251, 76,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2008, 28.0112, 33.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 76, 154) }
```

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

```
.background{ background-color: rgb(251, 76,  
154) }
```

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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