

Converting Colors

XYZ(47.2094, 23.6477, 33.3642)

Have a look what the booklet for
XYZ(47.2094, 23.6477, 33.3642)
contains.

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Color

**XYZ(47.2408, 23.6603,
33.5295)**

Conversions

Conversions Part 1

Format	Color
Hex	FF009C
RGB	255, 0, 156
RGB Percent	100%, 0%, 61%
CMY	0.0000, 0.9998, 0.3882
CMYK	0.00, 1.00, 0.39, 0.00
HSL	323°, 100%, 50%
HSV	323°, 100%, 100%
XYZ	47.2408, 23.6603, 33.5295
YIQ	94.0290, 101.9040, 102.5760

Conversions

Conversions Part 2

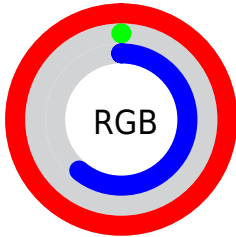
Format	Color
R_{YB}	255, 0, 156
Decimal	16711836
CIE _{Lab}	55.75, 86.81, -11.36
CIE _{LCh}	56, 87.551, 352.546
Yxy	23.6603, 0.4524, 0.2266
Android (android.graphics.Color)	4294901916 (0xFFFF009C)
YUV	94.0290, 30.5517, 141.1716
Hunter-Lab	48.6419, 88.2353, -6.8201

Details

The XYZ color **47.2408, 23.6603, 33.5295** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.0158, 72.4224, 23.7949**, and the grayscale version is **10.5675, 11.1178, 12.1073**.

A 20% lighter version of the original color is **57.5265, 35.2205, 64.7390**, and **24.2880, 12.2264, 14.4444** is the 20% darker color. If you saturate the color by 10%, you get **47.2388, 23.6595, 33.5191**, and if you desaturate by 10%, it is **48.4738, 24.7291, 38.2479**.

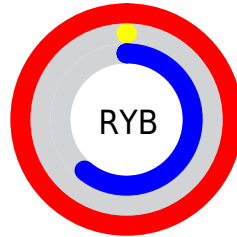
Distribution



Red (100%)

Green (0%)

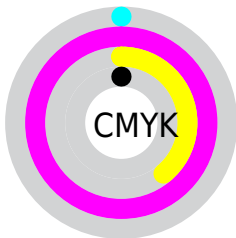
Blue (61%)



Red (100%)

Yellow (0%)

Blue (61%)

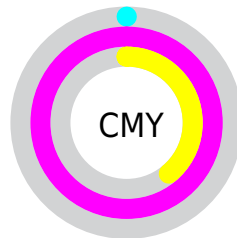


Cyan (0%)

Magenta (100%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2408, 23.6603, 33.5295 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 47.2408, 23.6603, 33.5295 by changing the saturation by 10% instead.

 47.2408, 23.6603,
33.5295


 47.2408, 23.6603,
33.5295

366.4078,
271.0985, 332.7339


 33.4348, 15.0818,
22.2580


 85.2895, 49.4753,
66.3268


 22.6206, 8.8768,
13.8464


 110.2629, 67.4806,
88.6897


 14.4327, 4.6609,
7.8764


 139.6895, 89.3970,
115.5868

 8.5060, 2.0497,
3.9293

 173.9347,
115.6088, 147.4366

 4.4749, 0.6361,
1.5867

 213.3637,
146.5005, 184.6576

 1.9741, 0.0000,
0.2813

258.3420,

 0.6194, 0.0000,

182.4564, 227.6685

0.0000

309.2349,
223.8609, 276.8877

■ 0.0000, 0.0000,
0.0000

■ 47.2408, 23.6603,
33.5295

■ 47.2408, 23.6603,
33.5295

■ 47.2388, 23.6595,
33.5191

■ 48.4738, 24.7291,
38.2479

■ 50.2437, 26.7599,
43.4902

■ 52.6951, 30.0393,
49.3122

■ 55.9168, 34.7425,
55.7507

■ 59.9834, 41.0166,
62.8377

■ 64.9603, 48.9901,
70.6017

■ 70.9061, 58.7781,
79.0690

■ 77.8745, 70.4856,
88.2639

■ 85.9148, 84.2096,
98.2093

Harmonies

Analogous

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



41.3138, 23.6603, 75.3982



47.2408, 23.6603, 33.5295



45.1429, 23.6603, 9.9651

Triad

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



47.2408, 23.6603, 33.5295



15.9311, 23.6603, 1.0701



12.7583, 23.6603, 98.1538

Complementary

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



47.2408, 23.6603, 33.5295



38.0158, 72.4224, 23.7949

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.



9.0586, 23.6603, 52.9429



47.2408, 23.6603, 33.5295



10.4784, 23.6603, 4.7607

Square

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



47.2408, 23.6603, 33.5295



25.0582, 23.6603, 0.6504



8.3687, 23.6603, 19.2976



20.1006, 23.6603, 126.9692

Rectangle

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



47.2408, 23.6603, 33.5295



39.6989, 23.6603, 3.6520



8.3687, 23.6603, 19.2976



11.1478, 23.6603, 83.2759

Sweetspot

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



47.2414, 23.6616, 33.5299



70.8907, 58.7524, 79.0479



23.0648, 9.8062, 95.2849



14.6111, 11.6437, 16.1368



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.



47.2414, 23.6616, 33.5299



47.2388, 23.6595, 33.5191



41.4725, 21.3541, 3.1511



18.4763, 18.1738, 21.1252



24.7586, 12.3927, 17.9113



2.4642, 1.2281, 2.0261

Inverse Universe

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



47.2414, 23.6616, 33.5299



47.2388, 23.6595, 33.5191



49.3865, 76.9707, 83.6721



18.4763, 18.1738, 21.1252



24.7586, 12.3927, 17.9113



2.4642, 1.2281, 2.0261

Previews

White Background



This preview shows how the XYZ color 47.2408, 23.6603, 33.5295 looks on a white background.

Color Contrast Check

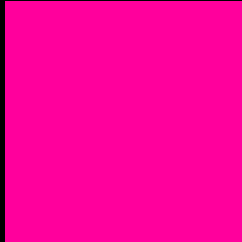
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2408, 23.6603, 33.5295 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 47.2408, 23.6603, 33.5295

Background



This preview shows how black text looks on a background with the XYZ color 47.2408, 23.6603, 33.5295.



This preview shows how white text looks on a background with the XYZ color 47.2408, 23.6603,

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

47.2408, 23.6603, 33.5295

Protanopia

26.7428, 24.4810, 73.8368

Deuteranopia

24.5548, 24.1166, 30.1488



Tritanopia

42.0724, 24.1394, 7.2924

Trichromacy



Original Color

47.2408, 23.6603, 33.5295



Protanomaly

26.9967, 17.4327, 55.9748



Deuteranomaly

28.2852, 18.5468, 30.5229



Tritanomaly

43.0281, 23.0096, 13.4827

Monochromacy



Original Color

47.2408, 23.6603, 33.5295



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.9636, 11.2884, 18.0617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2408, 23.6603, 33.5295 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, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 156)  
}
```

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, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 47.2408, 23.6603, 33.5295 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, 0, 156) }
```


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

```
.border{ border-color:rgb(255, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2408, 23.6603, 33.5295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 156) }
```

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

```
.background{ background-color: rgb(255, 0,  
156) }
```

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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