

Converting Colors

XYZ(47.1145, 23.8901, 32.0007)

Have a look what the booklet for
XYZ(47.1145, 23.8901, 32.0007)
contains.

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Color

**XYZ(47.0783, 23.8686,
31.8316)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0F98
RGB	255, 15, 152
RGB Percent	100%, 6%, 60%
CMY	0.0000, 0.9410, 0.4039
CMYK	0.00, 0.94, 0.40, 0.00
HSL	326°, 100%, 53%
HSV	326°, 94%, 100%
XYZ	47.0783, 23.8686, 31.8316
YIQ	102.3780, 99.0630, 93.4870

Conversions

Conversions Part 2

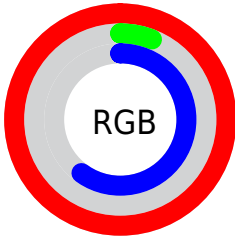
Format	Color
R _Y B	255, 15, 152
Decimal	16715672
CIE Lab	55.96, 85.45, -8.68
CIE LCh	56, 85.891, 354.202
Yxy	23.8686, 0.4581, 0.2322
Android (android.graphics.Color)	4294905752 (0xFFFF0F98)
YUV	102.3780, 24.4636, 133.8495
Hunter-Lab	48.8555, 86.5096, -4.4313

Details

The XYZ color **47.0783, 23.8686, 31.8316** 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 **39.2305, 72.9310, 29.1635**, and the grayscale version is **12.6547, 13.3138, 14.4987**.

A 20% lighter version of the original color is **57.2308, 35.4167, 62.2122**, and **24.0872, 12.1461, 13.3868** is the 20% darker color. If you saturate the color by 10%, you get **46.3926, 23.3211, 29.0637**, and if you desaturate by 10%, it is **48.6234, 25.4571, 36.9761**.

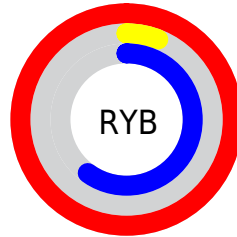
Distribution



Red (100%)

Green (6%)

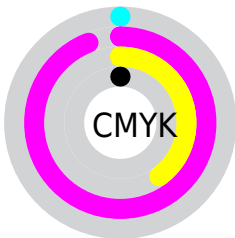
Blue (60%)



Red (100%)

Yellow (6%)

Blue (60%)

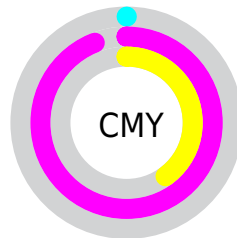


Cyan (0%)

Magenta (94%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (94%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0783, 23.8686, 31.8316 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 47.0783, 23.8686, 31.8316 by changing the saturation by 10% instead.


 47.0783, 23.8686,
31.8316


 47.0783, 23.8686,
31.8316


365.7707,
272.1555, 324.8205

 33.3058, 15.2362,
20.9692


 85.0485, 49.8157,
63.6418


 22.5211, 8.9853,
12.9104

 109.9769, 67.8991,
85.4267


 14.3591, 4.7316,
7.2369


 139.3546, 89.9017,
111.6895

 8.4542, 2.0907,
3.5300

 173.5471,
116.2079, 142.8486

 4.4412, 0.6594,
1.3712

 212.9195,
147.2019, 179.3228

 1.9546, 0.0000,
0.1191

257.8374,

 0.6083, 0.0000,

183.2682, 221.5305

0.0000

308.6660,
224.7913, 269.8902

■ 0.0000, 0.0000,
0.0000

■ 47.0783, 23.8686,
31.8316

■ 47.0783, 23.8686,
31.8316

■ 46.3926, 23.3211,
29.0637

■ 48.6234, 25.4571,
36.9761

■ 50.8204, 28.2137,
42.7565

■ 53.7679, 32.3320,
49.2161

■ 57.5460, 37.9693,
56.3914

■ 62.2240, 45.2610,
64.3150

67.8638, 54.3277,
73.0167

74.5212, 65.2783,
82.5242

82.2477, 78.2132,
92.8631

91.0914, 93.2255,
104.0582

Harmonies

Analogous

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



41.6643, 23.8686, 72.0736



47.0783, 23.8686, 31.8316



44.5852, 23.8686, 9.5464

Triad

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



47.0783, 23.8686, 31.8316



15.8036, 23.8686, 1.3008



13.3513, 23.8686, 98.9565

Complementary

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



47.0783, 23.8686, 31.8316



39.2305, 72.9310, 29.1635

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.



9.4721, 23.8686, 54.9929



47.0783, 23.8686, 31.8316



10.5759, 23.8686, 5.4756

Square

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



47.0783, 23.8686, 31.8316



24.6440, 23.8686, 0.7707



8.6269, 23.8686, 20.9087



20.8353, 23.8686, 125.1727

Rectangle

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



47.0783, 23.8686, 31.8316



39.0578, 23.8686, 3.5979



8.6269, 23.8686, 20.9087



11.6798, 23.8686, 84.7101

Sweetspot

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



47.0790, 23.8700, 31.8320



71.7998, 60.7759, 78.7180



25.2953, 11.2097, 95.4381



14.7635, 12.0163, 15.9788



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.



47.0790, 23.8700, 31.8320



46.3927, 23.3211, 29.0637



41.7155, 21.7246, 3.5881



18.4438, 18.1609, 20.9544



24.3175, 12.2163, 15.5884



2.4225, 1.2114, 1.8062

Inverse Universe

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



47.0790, 23.8700, 31.8320



46.3927, 23.3211, 29.0637



50.9537, 77.6203, 90.8968



18.4438, 18.1609, 20.9544



24.3175, 12.2163, 15.5884



2.4225, 1.2114, 1.8062

Previews

White Background



This preview shows how the XYZ color 47.0783, 23.8686, 31.8316 looks on a white background.

Color Contrast Check

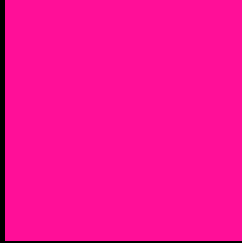
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0783, 23.8686, 31.8316 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 47.0783, 23.8686, 31.8316

Background



This preview shows how black text looks on a background with the XYZ color 47.0783, 23.8686, 31.8316.



This preview shows how white text looks on a background with the XYZ color 47.0783, 23.8686,

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

47.0783, 23.8686, 31.8316

Protanopia

26.2551, 24.3371, 68.9594

Deuteranopia

24.6011, 24.1754, 28.5690



Tritanopia

41.9903, 24.0204, 7.1259

Trichromacy



Original Color

47.0783, 23.8686, 31.8316



Protanomaly

27.2986, 18.2641, 52.5386



Deuteranomaly

28.6908, 19.5034, 29.0404



Tritanomaly

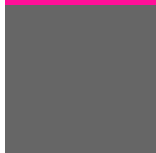
43.1111, 23.3230, 13.0561

Monochromacy



Original Color

47.0783, 23.8686, 31.8316



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

19.6809, 13.0055, 19.2423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0783, 23.8686, 31.8316 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, 15, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 152)  
}
```

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, 15, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 152) }
```

Border

The CSS property to change the border of an element to XYZ 47.0783, 23.8686, 31.8316 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, 15, 152) }
```


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

```
.border{ border-color:rgb(255, 15, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 15, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 15,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0783, 23.8686, 31.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 152) }
```

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

```
.background{ background-color: rgb(255, 15,  
152) }
```

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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