

Converting Colors

XYZ(47.0798, 23.5959, 32.6820)

Have a look what the booklet for
XYZ(47.0798, 23.5959, 32.6820)
contains.

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Color

**XYZ(47.0727, 23.5931,
32.6448)**

Conversions

Conversions Part 1

Format	Color
Hex	FF009A
RGB	255, 0, 154
RGB Percent	100%, 0%, 60%
CMY	0.0000, 0.9997, 0.3961
CMYK	0.00, 1.00, 0.40, 0.00
HSL	324°, 100%, 50%
HSV	324°, 100%, 100%
XYZ	47.0727, 23.5931, 32.6448
YIQ	93.8010, 102.5460, 101.9540

Conversions

Conversions Part 2

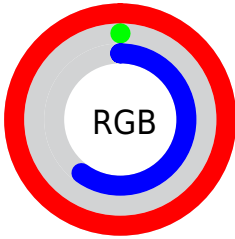
Format	Color
RYB	255, 0, 154
Decimal	16711834
CIELab	55.68, 86.63, -10.28
CIElCh	56, 87.242, 353.235
Yxy	23.5931, 0.4556, 0.2284
Android (android.graphics.Color)	4294901914 (0xFFFF009A)
YUV	93.8010, 29.6781, 141.3715
Hunter-Lab	48.5727, 87.9853, -5.8468

Details

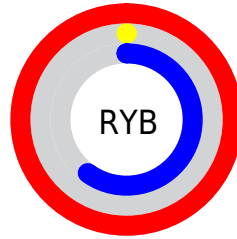
The XYZ color **47.0727, 23.5931, 32.6448** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.1128, 72.4611, 24.3060**, and the grayscale version is **10.5162, 11.0639, 12.0486**.

A 20% lighter version of the original color is **57.2788, 35.1214, 63.4347**, and **24.1864, 12.1857, 13.9093** is the 20% darker color. If you saturate the color by 10%, you get **47.0706, 23.5922, 32.6337**, and if you desaturate by 10%, it is **48.3099, 24.6637, 37.3850**.

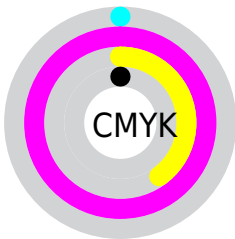
Distribution



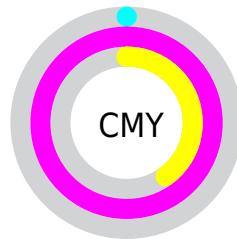
- Red (100%)
- Green (0%)
- Blue (60%)



- Red (100%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0727, 23.5931, 32.6448 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 47.0727, 23.5931, 32.6448 by changing the saturation by 10% instead.

47.0727, 23.5931,
32.6448

47.0727, 23.5931,
32.6448

365.7487,
270.7568, 328.6289

33.3013, 15.0321,
21.5856

85.0402, 49.3654,
64.9302

22.5177, 8.8419,
13.3573

109.9671, 67.3454,
86.9934

14.3565, 4.6382,
7.5414

139.3431, 89.2339,
113.5618

8.4524, 2.0366,
3.7194

173.5337,
115.4152, 145.0538

4.4400, 0.6286,
1.4727

212.9042,
146.2738, 181.8879

1.9539, 0.0000,
0.1975

257.8200,

0.6079, 0.0000,

182.1940, 224.4828

0.0000

308.6463,
223.5602, 273.2570

■ 0.0000, 0.0000,
0.0000

■ 47.0727, 23.5931,
32.6448

■ 47.0727, 23.5931,
32.6448

■ 47.0706, 23.5922,
32.6337

■ 48.3099, 24.6637,
37.3850

■ 50.0866, 26.6973,
42.6627

■ 52.5475, 29.9806,
48.5341

■ 55.7814, 34.6889,
55.0365

■ 59.8631, 40.9692,
62.2025

64.8580, 48.9500,
70.0610

70.8250, 58.7466,
78.6389

77.8175, 70.4640,
87.9607

85.8853, 84.1992,
98.0499

Harmonies

Analogous

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



41.3446, 23.5931, 73.9474



47.0727, 23.5931, 32.6448



44.8011, 23.5931, 9.6484

Triad

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



47.0727, 23.5931, 32.6448



15.7341, 23.5931, 1.1139



12.8680, 23.5931, 98.5657

Complementary

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



47.0727, 23.5931, 32.6448



38.1128, 72.4611, 24.3060

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.



9.1064, 23.5931, 53.6841



47.0727, 23.5931, 32.6448



10.3894, 23.5931, 4.9471

Square

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



47.0727, 23.5931, 32.6448



24.7374, 23.5931, 0.6546



8.3557, 23.5931, 19.7987



20.2605, 23.5931, 126.4371

Rectangle

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



47.0727, 23.5931, 32.6448



39.3066, 23.5931, 3.5383



8.3557, 23.5931, 19.7987



11.2367, 23.5931, 83.8811

Sweetspot

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



47.0734, 23.5945, 32.6452



70.8087, 58.7196, 78.6164



23.0650, 9.8064, 95.2847



14.5916, 11.6359, 16.0341



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.



47.0734, 23.5945, 32.6452



47.0707, 23.5923, 32.6338



41.4725, 21.3541, 3.1513



18.4700, 18.1713, 21.0924



24.6711, 12.3577, 17.4502



2.4560, 1.2248, 1.9827

Inverse Universe

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



47.0734, 23.5945, 32.6452



47.0707, 23.5923, 32.6338



49.3865, 76.9706, 83.6722



18.4700, 18.1713, 21.0924



24.6711, 12.3577, 17.4502



2.4560, 1.2248, 1.9827

Previews

White Background



This preview shows how the XYZ color 47.0727, 23.5931, 32.6448 looks on a white background.

Color Contrast Check

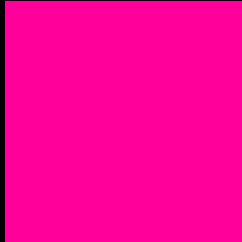
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.0727, 23.5931, 32.6448 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 47.0727, 23.5931, 32.6448

Background



This preview shows how black text looks on a background with the XYZ color 47.0727, 23.5931, 32.6448.



This preview shows how white text looks on a background with the XYZ color 47.0727, 23.5931,

32.6448.

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

47.0727, 23.5931, 32.6448

Protanopia

26.4480, 24.3756, 71.7176

Deuteranopia

24.5758, 24.1451, 29.3518



Tritanopia

41.9903, 24.0204, 7.1259

Trichromacy



Original Color

47.0727, 23.5931, 32.6448



Protanomaly

26.9587, 17.4398, 54.7687



Deuteranomaly

28.1269, 18.4834, 29.6890



Tritanomaly

42.9817, 22.9910, 13.2387

Monochromacy



Original Color

47.0727, 23.5931, 32.6448



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.9051, 11.2650, 17.7537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0727, 23.5931, 32.6448 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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(255, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 154) }
```

Border

The CSS property to change the border of an element to XYZ 47.0727, 23.5931, 32.6448 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, 154) }
```


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

```
.border{ border-color:rgb(255, 0, 154) }
```

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, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0727, 23.5931, 32.6448 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, 154) }
```

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

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