

Converting Colors

XYZ(47.3649, 23.7100, 34.1834)

Have a look what the booklet for
XYZ(47.3649, 23.7100, 34.1834)
contains.

XYZ(47.3258, 23.6943, 33.9774)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.3258, 23.6943,
33.9774)**

Conversions

Conversions Part 1

Format	Color
Hex	FF009D
RGB	255, 0, 157
RGB Percent	100%, 0%, 62%
CMY	0.0000, 0.9998, 0.3843
CMYK	0.00, 1.00, 0.38, 0.00
HSL	323°, 100%, 50%
HSV	323°, 100%, 100%
XYZ	47.3258, 23.6943, 33.9774
YIQ	94.1430, 101.5830, 102.8870

Conversions

Conversions Part 2

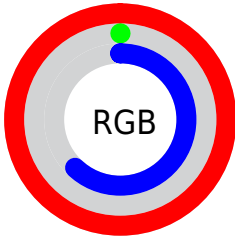
Format	Color
RYB	255, 0, 157
Decimal	16711837
CIELab	55.78, 86.90, -11.90
CIELCh	56, 87.711, 352.205
Yxy	23.6943, 0.4507, 0.2257
Android (android.graphics.Color)	4294901917 (0xFFFF009D)
YUV	94.1430, 30.9885, 141.0716
Hunter-Lab	48.6768, 88.3615, -7.3119

Details

The XYZ color **47.3258, 23.6943, 33.9774** 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 **37.9682, 72.4034, 23.5445**, and the grayscale version is **10.5934, 11.1451, 12.1370**.

A 20% lighter version of the original color is **57.7773, 35.3208, 66.0598**, and **24.3397, 12.2471, 14.7167** is the 20% darker color. If you saturate the color by 10%, you get **47.3238, 23.6935, 33.9669**, and if you desaturate by 10%, it is **48.5566, 24.7622, 38.6840**.

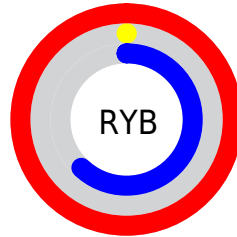
Distribution



Red (100%)

Green (0%)

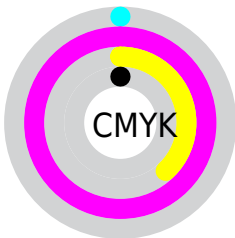
Blue (62%)



Red (100%)

Yellow (0%)

Blue (62%)

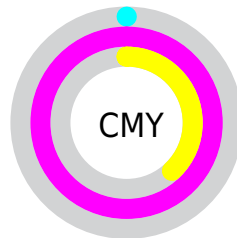


Cyan (0%)

Magenta (100%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (100%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3258, 23.6943, 33.9774 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 47.3258, 23.6943, 33.9774 by changing the saturation by 10% instead.

 47.3258, 23.6943,
33.9774


 47.3258, 23.6943,
33.9774

366.7407,
271.2713, 334.7973

 33.5023, 15.1070,
22.5990


 85.4155, 49.5309,
67.0320


 22.6726, 8.8945,
14.0952


 110.4125, 67.5490,
89.5453


 14.4713, 4.6724,
8.0474


 139.8646, 89.4794,
116.6074

 8.5331, 2.0564,
4.0371

 174.1373,
115.7067, 148.6367

 4.4926, 0.6399,
1.6457

 213.5959,
146.6151, 186.0518

 1.9844, 0.0000,
0.3231

258.6058,

 0.6252, 0.0000,

182.5891, 229.2712

0.0000

309.5323,
224.0130, 278.7136

■ 0.0000, 0.0000,
0.0000

■ 47.3258, 23.6943,
33.9774

■ 47.3258, 23.6943,
33.9774

■ 47.3238, 23.6935,
33.9669

■ 48.5566, 24.7622,
38.6840

■ 50.3230, 26.7916,
43.9078

■ 52.7696, 30.0691,
49.7044

■ 55.9851, 34.7699,
56.1103

■ 60.0441, 41.0410,
63.1572

■ 65.0119, 49.0108,
70.8735

■ 70.9472, 58.7946,
79.2851

■ 77.9034, 70.4973,
88.4163

■ 85.9301, 84.2159,
98.2897

Harmonies

Analogous

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



41.2993, 23.6943, 76.1306



47.3258, 23.6943, 33.9774



45.3150, 23.6943, 10.1257

Triad

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



47.3258, 23.6943, 33.9774



16.0302, 23.6943, 1.0487



12.7040, 23.6943, 97.9510

Complementary

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



47.3258, 23.6943, 33.9774



37.9682, 72.4034, 23.5445

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.



9.0350, 23.6943, 52.5768



47.3258, 23.6943, 33.9774



10.5231, 23.6943, 4.6695

Square

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



47.3258, 23.6943, 33.9774



25.2198, 23.6943, 0.6483



8.3754, 23.6943, 19.0512



20.0214, 23.6943, 127.2382

Rectangle

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



47.3258, 23.6943, 33.9774



39.8964, 23.6943, 3.7096



8.3754, 23.6943, 19.0512



11.1038, 23.6943, 82.9770

Sweetspot

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



47.3265, 23.6957, 33.9778



70.9317, 58.7688, 79.2641



23.0648, 9.8062, 95.2849



14.6209, 11.6476, 16.1883



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.



47.3265, 23.6957, 33.9778



47.3238, 23.6935, 33.9670



41.4725, 21.3541, 3.1511



18.4794, 18.1751, 21.1417



24.8029, 12.4105, 18.1445



2.4684, 1.2297, 2.0480

Inverse Universe

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



47.3265, 23.6957, 33.9778



47.3238, 23.6935, 33.9670



49.3865, 76.9707, 83.6721



18.4794, 18.1751, 21.1417



24.8029, 12.4105, 18.1445



2.4684, 1.2297, 2.0480

Previews

White Background



This preview shows how the XYZ color 47.3258, 23.6943, 33.9774 looks on a white background.

Color Contrast Check

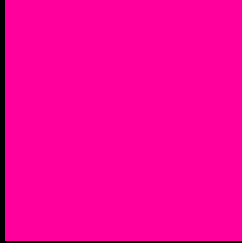
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.3258, 23.6943, 33.9774 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 47.3258, 23.6943, 33.9774

Background



This preview shows how black text looks on a background with the XYZ color 47.3258, 23.6943, 33.9774.



This preview shows how white text looks on a background with the XYZ color 47.3258, 23.6943,

33.9774.

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

47.3258, 23.6943, 33.9774

Protanopia

26.7716, 24.4802, 74.5483

Deuteranopia

24.6323, 24.1476, 30.5568



Tritanopia

41.7150, 23.9552, 7.2757

Trichromacy



Original Color

47.3258, 23.6943, 33.9774



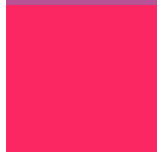
Protanomaly

26.9221, 17.3808, 56.5795



Deuteranomaly

28.3654, 18.5789, 30.9452



Tritanomaly

42.7138, 22.8421, 13.7130

Monochromacy



Original Color

47.3258, 23.6943, 33.9774



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 47.3258, 23.6943, 33.9774 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 157) }
```

Border

The CSS property to change the border of an element to XYZ 47.3258, 23.6943, 33.9774 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, 157) }
```


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

```
.border{ border-color:rgb(255, 0, 157) }
```

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, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3258, 23.6943, 33.9774 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, 157) }
```

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

```
.background{ background-color: rgb(255, 0,  
157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor