

Converting Colors

XYZ(47.1481, 23.6232, 33.0417)

Have a look what the booklet for
XYZ(47.1481, 23.6232, 33.0417)
contains.

XYZ(47.1564, 23.6266, 33.0853)	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(47.1564, 23.6266,
33.0853)**

Conversions

Conversions Part 1

Format	Color
Hex	FF009B
RGB	255, 0, 155
RGB Percent	100%, 0%, 61%
CMY	0.0000, 0.9997, 0.3922
CMYK	0.00, 1.00, 0.39, 0.00
HSL	324°, 100%, 50%
HSV	324°, 100%, 100%
XYZ	47.1564, 23.6266, 33.0853
YIQ	93.9150, 102.2250, 102.2650

Conversions

Conversions Part 2

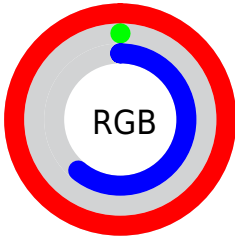
Format	Color
RYB	255, 0, 155
Decimal	16711835
CIELab	55.71, 86.72, -10.82
CIELCh	56, 87.394, 352.890
Yxy	23.6266, 0.4540, 0.2275
Android (android.graphics.Color)	4294901915 (0xFFFF009B)
YUV	93.9150, 30.1149, 141.2715
Hunter-Lab	48.6072, 88.1096, -6.3317

Details

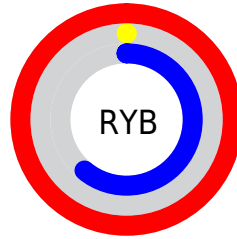
The XYZ color **47.1564, 23.6266, 33.0853** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **38.0642, 72.4417, 24.0495**, and the grayscale version is **10.5422, 11.0912, 12.0783**.

A 20% lighter version of the original color is **57.4023, 35.1708, 64.0848**, and **24.2369, 12.2059, 14.1753** is the 20% darker color. If you saturate the color by 10%, you get **47.1542, 23.6257, 33.0741**, and if you desaturate by 10%, it is **48.3916, 24.6964, 37.8150**.

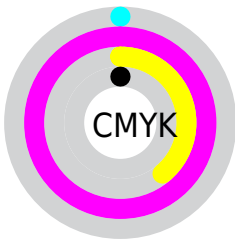
Distribution



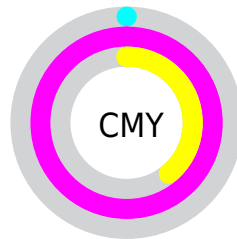
- Red (100%)
- Green (0%)
- Blue (61%)



- 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 47.1564, 23.6266, 33.0853 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 47.1564, 23.6266, 33.0853 by changing the saturation by 10% instead.

 47.1564, 23.6266,
33.0853


 47.1564, 23.6266,
33.0853


366.0770,
270.9272, 330.6777


 33.3678, 15.0569,
21.9201


 85.1644, 49.4202,
65.6262


 22.5689, 8.8593,
13.6005


 110.1144, 67.4128,
87.8391


 14.3945, 4.6495,
7.7078


 139.5156, 89.3152,
114.5716

 8.4791, 2.0431,
3.8234

 173.7334,
115.5117, 146.2423

 4.4574, 0.6324,
1.5290

 213.1330,
146.3868, 183.2697

 1.9640, 0.0000,
0.2394

258.0800,

 0.6136, 0.0000,

182.3248, 226.0724

0.0000

308.9395,
223.7101, 275.0689

■ 0.0000, 0.0000,
0.0000

■ 47.1564, 23.6266,
33.0853

■ 47.1564, 23.6266,
33.0853

■ 47.1542, 23.6257,
33.0741

■ 48.3916, 24.6964,
37.8150

■ 50.1650, 26.7287,
43.0753

■ 52.6213, 30.0102,
48.9224

■ 55.8492, 34.7161,
55.3932

■ 59.9235, 40.9935,
62.5200

■ 64.9096, 48.9709,
70.3316

■ 70.8661, 58.7634,
78.8544

■ 77.8467, 70.4760,
88.1130

■ 85.9008, 84.2058,
98.1305

Harmonies

Analogous

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



41.3289, 23.6266, 74.6703



47.1564, 23.6266, 33.0853



44.9716, 23.6266, 9.8060

Triad

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



47.1564, 23.6266, 33.0853



15.8324, 23.6266, 1.0919



12.8130, 23.6266, 98.3586

Complementary

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



47.1564, 23.6266, 33.0853



38.0642, 72.4417, 24.0495

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.



9.0825, 23.6266, 53.3120



47.1564, 23.6266, 33.0853



10.4339, 23.6266, 4.8533

Square

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



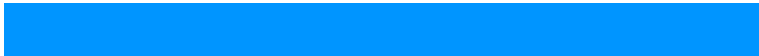
47.1564, 23.6266, 33.0853



24.8974, 23.6266, 0.6525



8.3622, 23.6266, 19.5468



20.1803, 23.6266, 126.7018

Rectangle

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



47.1564, 23.6266, 33.0853



39.5023, 23.6266, 3.5949



8.3622, 23.6266, 19.5468



11.1922, 23.6266, 83.5772

Sweetspot

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



47.1571, 23.6280, 33.0857



70.8496, 58.7360, 78.8317



23.0651, 9.8064, 95.2848



14.6013, 11.6398, 16.0854



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.



47.1571, 23.6280, 33.0857



47.1543, 23.6257, 33.0742



41.4726, 21.3542, 3.1514



18.4732, 18.1726, 21.1088



24.7146, 12.3751, 17.6796



2.4601, 1.2264, 2.0043

Inverse Universe

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



47.1571, 23.6280, 33.0857



47.1543, 23.6257, 33.0742



49.3865, 76.9707, 83.6724



18.4732, 18.1726, 21.1088



24.7146, 12.3751, 17.6796



2.4601, 1.2264, 2.0043

Previews

White Background



This preview shows how the XYZ color 47.1564, 23.6266, 33.0853 looks on a white background.

Color Contrast Check

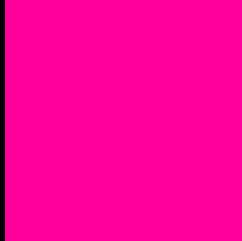
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.1564, 23.6266, 33.0853 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 47.1564, 23.6266, 33.0853

Background



This preview shows how black text looks on a background with the XYZ color 47.1564, 23.6266, 33.0853.



This preview shows how white text looks on a background with the XYZ color 47.1564, 23.6266,

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

47.1564, 23.6266, 33.0853

Protanopia

26.4731, 24.3731, 72.4164

Deuteranopia

24.6519, 24.1755, 29.7526



Tritanopia

41.9903, 24.0204, 7.1259

Trichromacy



Original Color

47.1564, 23.6266, 33.0853



Protanomaly

26.8809, 17.3864, 55.3652



Deuteranomaly

28.2057, 18.5150, 30.1041



Tritanomaly

42.9817, 22.9910, 13.2387

Monochromacy



Original Color

47.1564, 23.6266, 33.0853



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 47.1564, 23.6266, 33.0853 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 155) }
```

Border

The CSS property to change the border of an element to XYZ 47.1564, 23.6266, 33.0853 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, 155) }
```


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

```
.border{ border-color:rgb(255, 0, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1564, 23.6266, 33.0853 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, 155) }
```

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

```
.background{ background-color: rgb(255, 0,  
155) }
```

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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