

Converting Colors

XYZ(47.5046, 24.3399, 33.1494)

Have a look what the booklet for
XYZ(47.5046, 24.3399, 33.1494)
contains.

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Color

**XYZ(47.5258, 24.3653,
33.2084)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF1A9B |
| RGB | 255, 26, 155 |
| RGB Percent | 100%, 10%, 61% |
| CMY | 0.0000, 0.8979, 0.3922 |
| CMYK | 0.00, 0.90, 0.39, 0.00 |
| HSL | 326°, 100%, 55% |
| HSV | 326°, 90%, 100% |
| XYZ | 47.5258, 24.3653, 33.2084 |
| YIQ | 109.1770, 95.0750, 88.6670 |

Conversions

Conversions Part 2

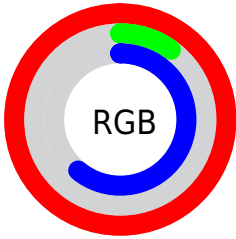
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 26, 155 |
| Decimal | 16718491 |
| CIE _{Lab} | 56.45, 84.56, -9.71 |
| CIE _{LCh} | 56, 85.120, 353.451 |
| Yxy | 24.3653, 0.4522, 0.2318 |
| Android (android.graphics.Color) | 4294908571 (0xFFFF1A9B) |
| YUV | 109.1770, 22.5907, 127.8868 |
| Hunter-Lab | 49.3612, 85.4806, -5.3353 |

Details

The XYZ color **47.5258, 24.3653, 33.2084** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **39.9546, 73.2471, 31.7809**, and the grayscale version is **14.5095, 15.2651, 16.6237**.

A 20% lighter version of the original color is **58.0063, 36.3788, 64.2861**, and **24.2369, 12.2059, 14.1753** is the 20% darker color. If you saturate the color by 10%, you get **46.2694, 23.2809, 28.3859**, and if you desaturate by 10%, it is **49.3426, 26.4324, 38.6437**.

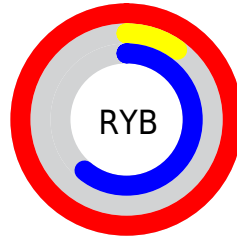
Distribution



Red (100%)

Green (10%)

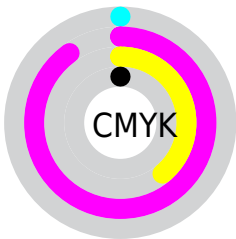
Blue (61%)



Red (100%)

Yellow (10%)

Blue (61%)

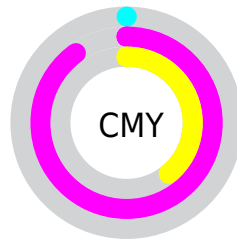


Cyan (0%)

Magenta (90%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5258, 24.3653, 33.2084 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 47.5258, 24.3653, 33.2084 by changing the saturation by 10% instead.


 47.5258, 24.3653,
33.2084


 47.5258, 24.3653,
33.2084


367.5234,
274.6621, 331.2485


 33.6612, 15.6048,
22.0137


 85.7119, 50.6257,
65.8205


 22.7951, 9.2450,
13.6686


 110.7642, 68.8943,
88.0750


 14.5621, 4.9013,
7.7544


 140.2763, 91.1012,
114.8532

 8.5970, 2.1895,
3.8527

 174.6137,
117.6306, 146.5737

 4.5342, 0.7142,
1.5449

 214.1418,
148.8671, 183.6549

 2.0086, 0.0000,
0.2510

259.2259,

 0.6388, 0.0000,

185.1949, 226.5154

0.0000

310.2313,
226.9984, 275.5738

■ 0.0000, 0.0000,
0.0000

■ 47.5258, 24.3653,
33.2084

■ 47.5258, 24.3653,
33.2084

■ 46.2694, 23.2809,
28.3859

■ 49.3426, 26.4324,
38.6437

■ 46.2460, 23.2624,
28.2910

■ 51.8591, 29.7572,
44.7487

■ 55.1651, 34.5158,
51.5641

■ 59.3356, 40.8551,
59.1252

■ 64.4365, 48.9036,
67.4638

70.5269, 58.7765,
76.6094

77.6610, 70.5788,
86.5891

85.8886, 84.4076,
97.4288

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



41.9454, 24.3653, 73.7045



47.5258, 24.3653, 33.2084



45.2372, 24.3653, 10.2706

Triad

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



47.5258, 24.3653, 33.2084



16.4103, 24.3653, 1.3975



13.6129, 24.3653, 98.2995

Complementary

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



47.5258, 24.3653, 33.2084



39.9546, 73.2471, 31.7809

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.



9.7679, 24.3653, 54.4944



47.5258, 24.3653, 33.2084



11.0337, 24.3653, 5.5661

Square

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



47.5258, 24.3653, 33.2084



25.3861, 24.3653, 0.8925



8.9799, 24.3653, 20.8124



21.0651, 24.3653, 125.1145

Rectangle

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



47.5258, 24.3653, 33.2084



39.8055, 24.3653, 3.9803



8.9799, 24.3653, 20.8124



11.9520, 24.3653, 84.0371

Sweetspot

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



47.5265, 24.3667, 33.2088



72.4117, 61.8735, 79.3109



26.9141, 12.3389, 95.5709



15.0081, 12.4373, 16.2706



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.



47.5265, 24.3667, 33.2088



46.2460, 23.2624, 28.2910



42.0155, 22.1623, 4.1882



18.4379, 18.1585, 20.9233



24.2409, 12.1857, 15.1849



2.4152, 1.2084, 1.7677

Inverse Universe

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



47.5265, 24.3667, 33.2088



46.2460, 23.2624, 28.2910



51.8756, 78.0156, 94.5565



18.4379, 18.1585, 20.9233



24.2409, 12.1857, 15.1849



2.4152, 1.2084, 1.7677

Previews

White Background



This preview shows how the XYZ color 47.5258, 24.3653, 33.2084 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 47.5258, 24.3653, 33.2084 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 47.5258, 24.3653, 33.2084

Background



This preview shows how black text looks on a background with the XYZ color 47.5258, 24.3653, 33.2084.



This preview shows how white text looks on a background with the XYZ color 47.5258, 24.3653,

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

47.5258, 24.3653, 33.2084

Protanopia

26.7672, 24.7731, 70.3887

Deuteranopia

24.9624, 24.5359, 29.8058



Tritanopia

42.3278, 24.5098, 7.8101

Trichromacy



Original Color

47.5258, 24.3653, 33.2084



Protanomaly

28.0671, 19.2600, 54.4628



Deuteranomaly

29.2672, 20.2811, 30.3891



Tritanomaly

43.5808, 23.9640, 14.1329

Monochromacy



Original Color

47.5258, 24.3653, 33.2084



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

21.4622, 14.7797, 21.4603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5258, 24.3653, 33.2084 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, 26, 155)` looks like.

```
.text, #text, p{  
  color:rgb(255, 26, 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, 26, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 155) }
```

Border

The CSS property to change the border of an element to XYZ 47.5258, 24.3653, 33.2084 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, 26, 155) }
```


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

```
.border{ border-color:rgb(255, 26, 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, 26, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5258, 24.3653, 33.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 155) }
```

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

```
.background{ background-color: rgb(255, 26,  
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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