

Converting Colors

XYZ(93.2406, 49.7455, 29.0283)

Have a look what the booklet for
XYZ(93.2406, 49.7455, 29.0283)
contains.

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Color

**XYZ(47.4133, 26.1502,
26.9746)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3A8B
RGB	255, 58, 139
RGB Percent	100%, 23%, 55%
CMY	0.0000, 0.7725, 0.4549
CMYK	0.00, 0.77, 0.45, 0.00
HSL	335°, 100%, 61%
HSV	335°, 77%, 100%
XYZ	47.4133, 26.1502, 26.9746
YIQ	126.1370, 91.4110, 66.9550

Conversions

Conversions Part 2

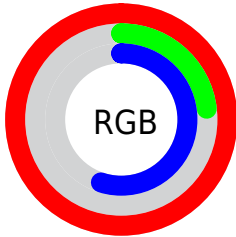
Format	Color
R_{YB}	255, 58, 139
Decimal	16726667
CIE _{Lab}	58.18, 76.80, 2.28
CIE _{LCh}	58, 76.839, 1.704
Yxy	26.1502, 0.4716, 0.2601
Android (android.graphics.Color)	4294916747 (0xFFFF3A8B)
YUV	126.1370, 6.3415, 113.0129
Hunter-Lab	51.1373, 76.0109, 4.5210

Details

The XYZ color **47.4133, 26.1502, 26.9746** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **45.1472, 75.4765, 52.2407**, and the grayscale version is **19.8373, 20.8704, 22.7279**.

A 20% lighter version of the original color is **57.8374, 39.2317, 54.3933**, and **23.5414, 11.9277, 10.5127** is the 20% darker color. If you saturate the color by 10%, you get **45.4075, 23.7758, 21.2594**, and if you desaturate by 10%, it is **50.2069, 29.8592, 33.6963**.

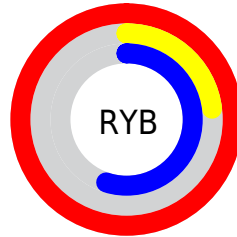
Distribution



Red (100%)

Green (23%)

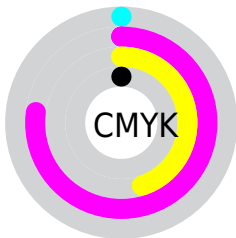
Blue (55%)



Red (100%)

Yellow (23%)

Blue (55%)

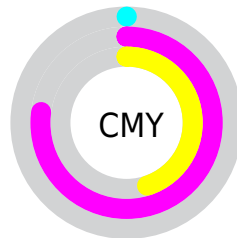


Cyan (0%)

Magenta (77%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (77%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4133, 26.1502, 26.9746 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 47.4133, 26.1502, 26.9746 by changing the saturation by 10% instead.


 47.4133, 26.1502,
26.9746

 47.4133, 26.1502,
26.9746


367.0833,
283.5186, 301.2904

 33.5718, 16.9360,
17.3219


 85.5452, 53.5172,
55.8463


 22.7262, 10.1889,
10.2999


 110.5664, 72.4387,
75.9025

 14.5110, 5.5244,
5.4900


 140.0448, 95.3649,
100.2634

 8.5610, 2.5581,
2.4738

 174.3458,
122.6801, 129.3478

 4.5108, 0.9056,
0.8262

 213.8348,
154.7687, 163.5742

 1.9950, 0.0000,
0.0000

258.8772,

 0.6311, 0.0000,

192.0150, 203.3610

0.0000

309.8382,
234.8035, 249.1269

■ 0.0000, 0.0000,
0.0000

■ 47.4133, 26.1502,
26.9746

■ 47.4133, 26.1502,
26.9746

■ 45.4075, 23.7758,
21.2594

■ 50.2069, 29.8592,
33.6963

■ 44.0747, 22.5157,
16.4819

■ 53.8747, 35.0663,
41.4813

■ 43.7814, 22.2766,
15.3129

■ 58.4933, 41.9156,
50.3821

■ 64.1298, 50.5333,
60.4467

■ 70.8449, 61.0330,
71.7198

■ 78.6945, 73.5185,
84.2435

■ 87.7304, 88.0864,
98.0576

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.



44.2071, 26.1502, 60.3862



47.4133, 26.1502, 26.9746



43.4297, 26.1502, 9.1225

Triad

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



47.4133, 26.1502, 26.9746



16.5772, 26.1502, 3.3265



17.2916, 26.1502, 101.7793

Complementary

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



47.4133, 26.1502, 26.9746



45.1472, 75.4765, 52.2407

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.



12.5142, 26.1502, 64.8540



47.4133, 26.1502, 26.9746



12.1801, 26.1502, 10.4166

Square

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



47.4133, 26.1502, 26.9746



24.3261, 26.1502, 1.8151



10.9017, 26.1502, 30.0261



25.3915, 26.1502, 116.7413

Rectangle

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



47.4133, 26.1502, 26.9746



37.6961, 26.1502, 4.2028



10.9017, 26.1502, 30.0261



15.3217, 26.1502, 90.7247

Sweetspot

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



47.4140, 26.1517, 26.9750



74.0386, 66.0898, 76.8861



36.7803, 19.1231, 96.3602



15.2633, 13.2208, 15.5135



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.



47.4140, 26.1517, 26.9750



44.5685, 22.9336, 18.4025



44.4817, 26.5208, 6.7796



18.3190, 18.1109, 20.2969



22.9466, 11.6679, 8.3690



2.2869, 1.1571, 1.0924

Inverse Universe

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



47.4140, 26.1517, 26.9750



44.5685, 22.9336, 18.4025



50.5408, 69.6100, 105.3800



18.3190, 18.1109, 20.2969



22.9466, 11.6679, 8.3690



2.2869, 1.1571, 1.0924

Previews

White Background



This preview shows how the XYZ color 47.4133, 26.1502, 26.9746 looks on a white background.

Color Contrast Check

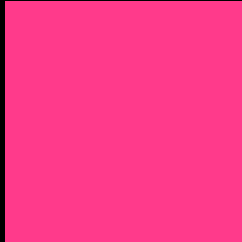
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.4133, 26.1502, 26.9746 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 47.4133, 26.1502, 26.9746

Background



This preview shows how black text looks on a background with the XYZ color 47.4133, 26.1502, 26.9746.



This preview shows how white text looks on a background with the XYZ color 47.4133, 26.1502,

26.9746.

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

47.4133, 26.1502, 26.9746

Protanopia

26.7038, 26.2342, 50.1106

Deuteranopia

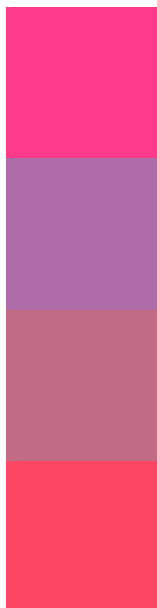
26.7270, 26.1820, 24.4139



Tritanopia

44.0361, 26.2777, 9.9589

Trichromacy



Original Color

47.4133, 26.1502, 26.9746

Protanomaly

30.0856, 22.8005, 40.3514

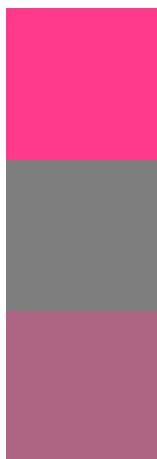
Deuteranomaly

31.4837, 23.5463, 25.0758

Tritanomaly

44.9364, 26.0590, 14.7181

Monochromacy



Original Color

47.4133, 26.1502, 26.9746

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

25.9840, 19.8303, 23.9309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4133, 26.1502, 26.9746 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, 58, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 58, 139)  
}
```

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, 58, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 58, 139) }
```

Border

The CSS property to change the border of an element to XYZ 47.4133, 26.1502, 26.9746 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, 58, 139) }
```


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

```
.border{ border-color:rgb(255, 58, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 58, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 58, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 58, 139); box-shadow:4px 4px 4px 4px rgb(255, 58, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4133, 26.1502, 26.9746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 58, 139) }
```

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

```
.background{ background-color: rgb(255, 58,  
139) }
```

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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