

Converting Colors

XYZ(46.3756, 24.0816, 26.6082)

Have a look what the booklet for
XYZ(46.3756, 24.0816, 26.6082)
contains.

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Color

**XYZ(46.3902, 24.1041,
26.6336)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1F8B
RGB	255, 31, 139
RGB Percent	100%, 12%, 55%
CMY	0.0000, 0.8783, 0.4549
CMYK	0.00, 0.88, 0.45, 0.00
HSL	331°, 100%, 56%
HSV	331°, 88%, 100%
XYZ	46.3902, 24.1041, 26.6336
YIQ	110.2880, 98.8360, 81.0760

Conversions

Conversions Part 2

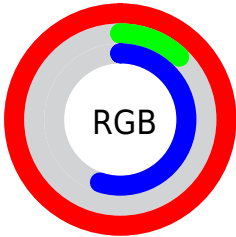
Format	Color
RYB	255, 31, 139
Decimal	16719755
CIELab	56.19, 82.50, -0.61
CIELCh	56, 82.501, 359.576
Yxy	24.1041, 0.4776, 0.2482
Android (android.graphics.Color)	4294909835 (0xFFFF1F8B)
YUV	110.2880, 14.1550, 126.9124
Hunter-Lab	49.0959, 82.7448, 2.2035

Details

The XYZ color **46.3902, 24.1041, 26.6336** 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 **41.5945, 73.9190, 39.6908**, and the grayscale version is **14.8486, 15.6219, 17.0122**.

A 20% lighter version of the original color is **56.1170, 35.7909, 53.8198**, and **23.5414, 11.9277, 10.5127** is the 20% darker color. If you saturate the color by 10%, you get **45.0525, 22.8810, 21.7108**, and if you desaturate by 10%, it is **48.3643, 26.4136, 32.3441**.

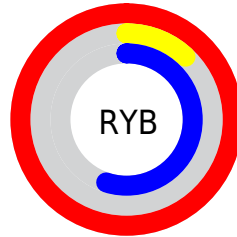
Distribution



Red (100%)

Green (12%)

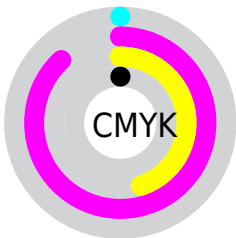
Blue (55%)



Red (100%)

Yellow (12%)

Blue (55%)

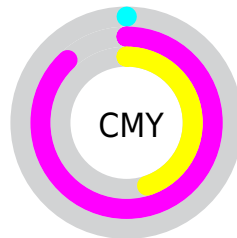


Cyan (0%)

Magenta (88%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3902, 24.1041, 26.6336 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 46.3902, 24.1041, 26.6336 by changing the saturation by 10% instead.

 46.3902, 24.1041,
26.6336


 46.3902, 24.1041,
26.6336


363.0649,
273.3464, 299.5825


 32.7598, 15.4109,
17.0682


 84.0270, 50.2000,
55.2919


 22.1008, 9.1082,
10.1207


 108.7640, 68.3715,
75.2220


 14.0480, 4.8119,
5.3724


 137.9340, 90.4712,
99.4440

 8.2360, 2.1373,
2.4048

 171.9022,
116.8834, 128.3765

 4.2994, 0.6855,
0.7891

 211.0340,
147.9927, 162.4381

 1.8729, 0.0000,
0.0000

255.6948,

 0.5610, 0.0000,

184.1833, 202.0472

0.0000

306.2500,
225.8398, 247.6225

■ 0.0000, 0.0000,
0.0000

■ 46.3902, 24.1041,
26.6336

■ 46.3902, 24.1041,
26.6336

■ 45.0525, 22.8810,
21.7108

■ 48.3643, 26.4136,
32.3441

■ 44.8107, 22.6883,
20.7334

■ 51.0887, 30.0306,
38.8991

■ 54.6513, 35.1253,
46.3467

■ 59.1267, 41.8410,
54.7292

■ 64.5808, 50.3038,
64.0857

71.0729, 60.6274,
74.4523

78.6576, 72.9156,
85.8628

87.3853, 87.2645,
98.3493

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



42.4896, 24.1041, 62.5362



46.3902, 24.1041, 26.6336



42.6936, 24.1041, 7.9947

Triad

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



46.3902, 24.1041, 26.6336



15.0417, 24.1041, 1.9941



14.8659, 24.1041, 101.8677

Complementary

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



46.3902, 24.1041, 26.6336



41.5945, 73.9190, 39.6908

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.



10.4355, 24.1041, 61.3497



46.3902, 24.1041, 26.6336



10.5156, 24.1041, 7.6955

Square

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



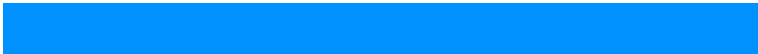
46.3902, 24.1041, 26.6336



23.0454, 24.1041, 1.0062



9.0923, 24.1041, 25.8607



22.7756, 24.1041, 120.6631

Rectangle

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



46.3902, 24.1041, 26.6336



36.8743, 24.1041, 3.1913



9.0923, 24.1041, 25.8607



13.0090, 24.1041, 89.3921

Sweetspot

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



46.3909, 24.1055, 26.6340



72.3792, 62.7287, 76.4637



30.5280, 14.3811, 95.7743



14.9701, 12.5880, 15.5587



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.



46.3909, 24.1055, 26.6340



44.8108, 22.6883, 20.7334



42.0816, 22.5471, 3.4324



18.3742, 18.1330, 20.5875



23.4892, 11.8850, 11.2266



2.3419, 1.1792, 1.3821

Inverse Universe

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



46.3909, 24.1055, 26.6340



44.8108, 22.6883, 20.7334



53.1965, 76.6729, 106.6031



18.3742, 18.1330, 20.5875



23.4892, 11.8850, 11.2266



2.3419, 1.1792, 1.3821

Previews

White Background



This preview shows how the XYZ color 46.3902, 24.1041, 26.6336 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 46.3902, 24.1041, 26.6336 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 46.3902, 24.1041, 26.6336

Background



This preview shows how black text looks on a background with the XYZ color 46.3902, 24.1041, 26.6336.



This preview shows how white text looks on a background with the XYZ color 46.3902, 24.1041,

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

46.3902, 24.1041, 26.6336

Protanopia

25.4216, 24.4054, 55.5954

Deuteranopia

24.8412, 24.3969, 24.1687



Tritanopia

42.3219, 24.1945, 6.9968

Trichromacy



Original Color

46.3902, 24.1041, 26.6336



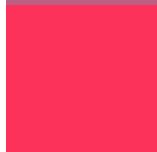
Protanomaly

27.6466, 19.5679, 42.8773



Deuteranomaly

29.3121, 20.6967, 24.6402



Tritanomaly

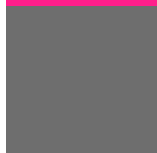
43.1309, 23.7148, 11.9770

Monochromacy



Original Color

46.3902, 24.1041, 26.6336



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

21.4979, 15.0519, 19.8614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3902, 24.1041, 26.6336 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, 31, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 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, 31, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 139) }
```

Border

The CSS property to change the border of an element to XYZ 46.3902, 24.1041, 26.6336 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, 31, 139) }
```


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

```
.border{ border-color:rgb(255, 31, 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, 31, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 31, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 31, 139); box-shadow:4px 4px 4px 4px rgb(255, 31, 139) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3902, 24.1041, 26.6336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 139) }
```

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

```
.background{ background-color: rgb(255, 31,  
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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