

Converting Colors

XYZ(50.0321, 28.2224, 17.7236)

Have a look what the booklet for
XYZ(50.0321, 28.2224, 17.7236)
contains.

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Color

**XYZ(45.9426, 26.0745,
17.6504)**

Conversions

Conversions Part 1

Format	Color
Hex	FF406F
RGB	255, 64, 111
RGB Percent	100%, 25%, 44%
CMY	0.0000, 0.7490, 0.5647
CMYK	0.00, 0.75, 0.56, 0.00
HSL	345°, 100%, 63%
HSV	345°, 75%, 100%
XYZ	45.9426, 26.0745, 17.6504
YIQ	126.4670, 98.7490, 55.1090

Conversions

Conversions Part 2

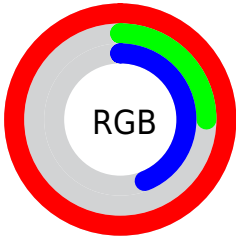
Format	Color
R_{YB}	255, 64, 111
Decimal	16728175
CIE Lab	58.11, 72.97, 18.72
CIE LCh	58, 75.334, 14.389
Yxy	26.0745, 0.5124, 0.2908
Android (android.graphics.Color)	4294918255 (0xFFFF406F)
YUV	126.4670, -7.6252, 112.7234
Hunter-Lab	51.0632, 71.2395, 15.2502

Details

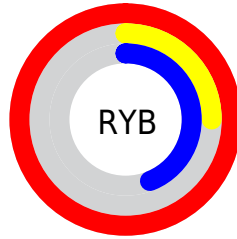
The XYZ color **45.9426, 26.0745, 17.6504** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **49.2619, 77.1648, 71.9810**, and the grayscale version is **19.9940, 21.0352, 22.9073**.

A 20% lighter version of the original color is **55.3510, 39.0474, 38.8020**, and **22.4113, 11.4465, 5.8787** is the 20% darker color. If you saturate the color by 10%, you get **43.8713, 23.4480, 12.2872**, and if you desaturate by 10%, it is **48.8996, 30.1084, 24.4333**.

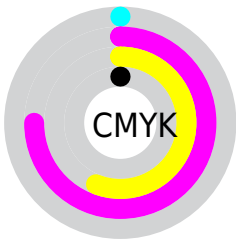
Distribution



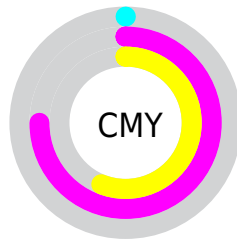
- Red (100%)
- Green (25%)
- Blue (44%)



- Red (100%)
- Yellow (25%)
- Blue (44%)



- Cyan (0%)
- Magenta (75%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (75%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9426, 26.0745, 17.6504 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 45.9426, 26.0745, 17.6504 by changing the saturation by 10% instead.


 45.9426, 26.0745,
17.6504


 45.9426, 26.0745,
17.6504


361.2976,
283.1476, 251.0627


 32.4050, 16.8794,
10.5324


 83.3615, 53.3951,
40.2466


 21.8280, 10.1485,
5.6432


 107.9734, 72.2894,
56.5619


 13.8465, 5.4976,
2.5641


 137.0075, 95.1855,
76.7800

 8.0950, 2.5420,
0.8738

 170.8291,
122.4679, 101.3196

 4.2081, 0.8976,
0.0000

 209.8036,
154.5209, 130.5991

 1.8205, 0.0000,
0.0000

254.2962,

 0.5300, 0.0000,

191.7289, 165.0371

0.0000

304.6725,
234.4763, 205.0521

■ 0.0000, 0.0000,
0.0000

■ 45.9426, 26.0745,
17.6504

■ 45.9426, 26.0745,
17.6504

■ 43.8713, 23.4480,
12.2872

■ 48.8996, 30.1084,
24.4333

■ 42.5715, 22.0232,
8.2321


■ 52.8332, 35.7091,
32.7319


■ 42.1296, 21.6158,
6.6157

■ 57.8246, 43.0193,
42.6347

■ 63.9456, 52.1643,
54.2225

■ 71.2616, 63.2577,
67.5707

 79.8331, 76.4036,
82.7500

 89.7161, 91.6990,
99.8269

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



45.7968, 26.0745, 44.1613



45.9426, 26.0745, 17.6504



39.5434, 26.0745, 5.7588

Triad

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



45.9426, 26.0745, 17.6504



14.4295, 26.0745, 5.5015



20.3577, 26.0745, 109.4174

Complementary

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



45.9426, 26.0745, 17.6504



49.2619, 77.1648, 71.9810

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.



14.2460, 26.0745, 79.9993



45.9426, 26.0745, 17.6504



11.4409, 26.0745, 16.9080

Square

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



45.9426, 26.0745, 17.6504



20.6759, 26.0745, 2.2400



11.3832, 26.0745, 42.7880



29.4009, 26.0745, 110.0997

Rectangle

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



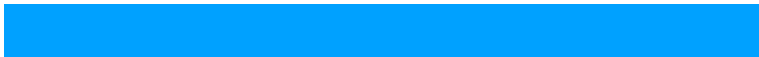
45.9426, 26.0745, 17.6504



33.1612, 26.0745, 2.9163



11.3832, 26.0745, 42.7880



17.9502, 26.0745, 102.0165

Sweetspot

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



45.9432, 26.0760, 17.6508



73.6128, 66.8498, 71.7760



45.6870, 24.1903, 96.8684



15.2844, 13.5877, 14.5193



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.



45.9432, 26.0760, 17.6508



43.1199, 22.5854, 10.0617



47.9334, 33.1658, 8.7279



18.1926, 18.0604, 19.6314



22.0629, 11.3145, 3.7158



2.1893, 1.1181, 0.5783

Inverse Universe

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



45.9432, 26.0760, 17.6508



43.1199, 22.5854, 10.0617



42.5394, 53.0588, 102.6065



18.1926, 18.0604, 19.6314



22.0629, 11.3145, 3.7158



2.1893, 1.1181, 0.5783

Previews

White Background



This preview shows how the XYZ color 45.9426, 26.0745, 17.6504 looks on a white background.

Color Contrast Check

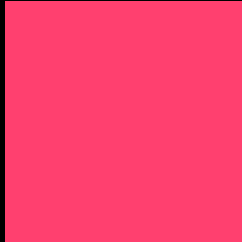
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.9426, 26.0745, 17.6504 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 45.9426, 26.0745, 17.6504

Background



This preview shows how black text looks on a background with the XYZ color 45.9426, 26.0745, 17.6504.



This preview shows how white text looks on a background with the XYZ color 45.9426, 26.0745,

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

45.9426, 26.0745, 17.6504

Protanopia

25.3931, 26.1788, 31.7316

Deuteranopia

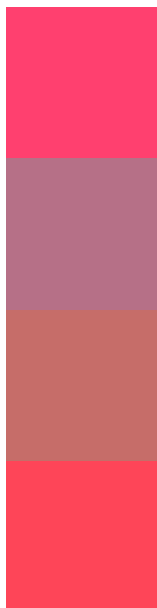
26.6493, 26.1165, 16.2068



Tritanopia

44.0954, 26.0254, 9.3559

Trichromacy



Original Color

45.9426, 26.0745, 17.6504

Protanomaly

29.4587, 23.2827, 25.8630

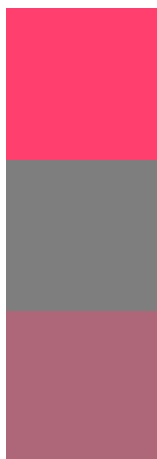
Deuteranomaly

31.3071, 23.9630, 16.3398

Tritanomaly

44.7626, 26.0317, 11.8979

Monochromacy



Original Color

45.9426, 26.0745, 17.6504

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

25.5350, 19.9652, 20.5970

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9426, 26.0745, 17.6504 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, 64, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 111)  
}
```

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, 64, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 111) }
```

Border

The CSS property to change the border of an element to XYZ 45.9426, 26.0745, 17.6504 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, 64, 111) }
```


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

```
.border{ border-color:rgb(255, 64, 111) }
```

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

Here you see how a box with a 4 pixel rgb(255, 64, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 64,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9426, 26.0745, 17.6504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 111) }
```

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

```
.background{ background-color: rgb(255, 64,  
111) }
```

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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