

Converting Colors

XYZ(45.5888, 24.7572, 19.4128)

Have a look what the booklet for
XYZ(45.5888, 24.7572, 19.4128)
contains.

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Color

**XYZ(45.6083, 24.7646,
19.5158)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3176
RGB	255, 49, 118
RGB Percent	100%, 19%, 46%
CMY	0.0000, 0.8078, 0.5373
CMYK	0.00, 0.81, 0.54, 0.00
HSL	340°, 100%, 60%
HSV	340°, 81%, 100%
XYZ	45.6083, 24.7646, 19.5158
YIQ	118.4600, 100.6270, 65.1310

Conversions

Conversions Part 2

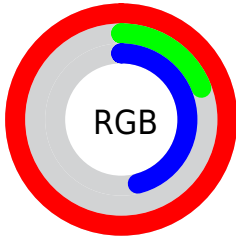
Format	Color
R _Y B	255, 49, 118
Decimal	16724342
CIE Lab	56.85, 77.46, 12.83
CIE LCh	57, 78.513, 9.406
Yxy	24.7646, 0.5074, 0.2755
Android (android.graphics.Color)	4294914422 (0xFFFF3176)
YUV	118.4600, -0.2268, 119.7456
Hunter-Lab	49.7640, 76.5066, 11.5833

Details

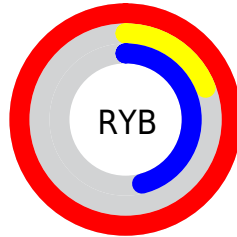
The XYZ color **45.6083, 24.7646, 19.5158** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **45.8921, 75.7190, 58.6603**, and the grayscale version is **17.3453, 18.2486, 19.8728**.

A 20% lighter version of the original color is **54.8570, 36.8849, 42.2584**, and **22.5913, 11.5186, 6.8270** is the 20% darker color. If you saturate the color by 10%, you get **43.9075, 22.8339, 14.4155**, and if you desaturate by 10%, it is **48.0937, 27.9751, 25.7721**.

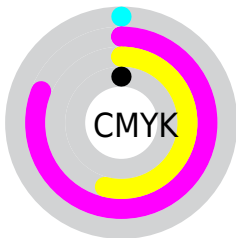
Distribution



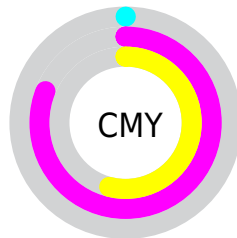
- Red (100%)
- Green (19%)
- Blue (46%)



- Red (100%)
- Yellow (19%)
- Blue (46%)



- Cyan (0%)
- Magenta (81%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (81%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6083, 24.7646, 19.5158 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 45.6083, 24.7646, 19.5158 by changing the saturation by 10% instead.


 45.6083, 24.7646,
19.5158


 45.6083, 24.7646,
19.5158


359.9740,
276.6636, 261.7986


 32.1401, 15.9018,
11.8630


 82.8639, 51.2751,
43.4521


 21.6246, 9.4547,
6.5291


 107.3821, 69.6915,
60.5727


 13.6964, 5.0389,
3.0954

 136.3144, 92.0613,
81.6864

 7.9901, 2.2701,
1.1436

 170.0261,
118.7687, 107.2115

 4.1404, 0.7578,
0.0000

 208.8825,
150.1983, 137.5668

 1.7818, 0.0000,
0.0000

253.2491,

 0.5067, 0.0000,

186.7344, 173.1707

0.0000

303.4911,
228.7613, 214.4418

■ 0.0000, 0.0000,
0.0000

■ 45.6083, 24.7646,
19.5158

■ 45.6083, 24.7646,
19.5158

■ 43.9075, 22.8339,
14.4155

■ 48.0937, 27.9751,
25.7721

■ 42.8954, 21.9221,
10.6481

■ 51.4597, 32.6421,
33.2601

■ 55.7894, 38.9187,
42.0491

■ 61.1553, 46.9373,
52.2023

■ 67.6227, 56.8163,
63.7782

75.2512, 68.6640,
76.8317

84.0961, 82.5799,
91.4146

94.2091, 98.6570,
107.5760

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



44.2375, 24.7646, 48.9497



45.6083, 24.7646, 19.5158



39.9868, 24.7646, 5.9170

Triad

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



45.6083, 24.7646, 19.5158



14.0142, 24.7646, 3.7258



17.8574, 24.7646, 107.4052

Complementary

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



45.6083, 24.7646, 19.5158



45.8921, 75.7190, 58.6603

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.



12.3611, 24.7646, 73.4898



45.6083, 24.7646, 19.5158



10.5763, 24.7646, 12.8016

Square

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



45.6083, 24.7646, 19.5158



20.7687, 24.7646, 1.5182



10.0622, 24.7646, 36.1016



26.5431, 24.7646, 113.9456

Rectangle

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



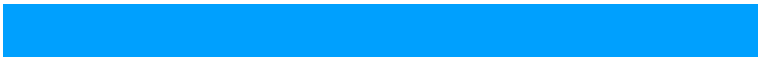
45.6083, 24.7646, 19.5158



33.7169, 24.7646, 2.6572



10.0622, 24.7646, 36.1016



15.6465, 24.7646, 98.1180

Sweetspot

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



45.6089, 24.7661, 19.5162



72.6627, 64.6248, 72.4606



38.6551, 19.4739, 96.3288



14.9712, 12.9291, 14.5142



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.



45.6089, 24.7661, 19.5162



43.1893, 22.1726, 11.7852



44.6570, 27.2067, 5.8055



18.2603, 18.0874, 19.9878



22.4756, 11.4795, 5.8890



2.2368, 1.1371, 0.8282

Inverse Universe

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



45.6089, 24.7661, 19.5162



43.1893, 22.1726, 11.7852



46.0006, 61.2397, 104.0033



18.2603, 18.0874, 19.9878



22.4756, 11.4795, 5.8890



2.2368, 1.1371, 0.8282

Previews

White Background



This preview shows how the XYZ color 45.6083, 24.7646, 19.5158 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 45.6083, 24.7646, 19.5158 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 45.6083, 24.7646, 19.5158

Background



This preview shows how black text looks on a background with the XYZ color 45.6083, 24.7646, 19.5158.



This preview shows how white text looks on a background with the XYZ color 45.6083, 24.7646,

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

45.6083, 24.7646, 19.5158

Protanopia

24.6858, 25.0422, 37.7150

Deuteranopia

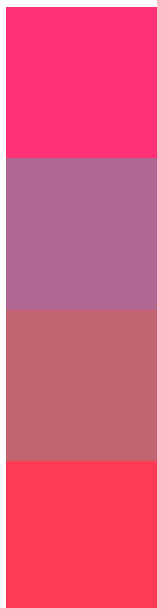
25.3203, 24.7889, 17.6376



Tritanopia

43.2397, 24.8193, 7.5127

Trichromacy



Original Color

45.6083, 24.7646, 19.5158

Protanomaly

28.0431, 21.2061, 29.8093

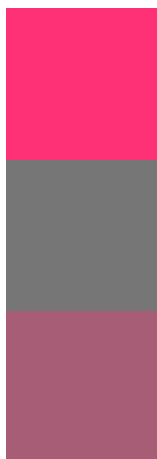
Deuteranomaly

30.0840, 22.0793, 18.0054

Tritanomaly

43.9863, 24.7370, 10.8439

Monochromacy



Original Color

45.6083, 24.7646, 19.5158

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

23.3328, 17.4615, 19.2802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6083, 24.7646, 19.5158 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, 49, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 49, 118)  
}
```

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, 49, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 118) }
```

Border

The CSS property to change the border of an element to XYZ 45.6083, 24.7646, 19.5158 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, 49, 118) }
```


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

```
.border{ border-color:rgb(255, 49, 118) }
```

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

Here you see how a box with a 4 pixel rgb(255, 49, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6083, 24.7646, 19.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 118) }
```

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

```
.background{ background-color: rgb(255, 49,  
118) }
```

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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