

Converting Colors

XYZ(45.4988, 24.6550, 19.1416)

Have a look what the booklet for
XYZ(45.4988, 24.6550, 19.1416)
contains.

XYZ(45.5078, 24.6583, 19.1906)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.5078, 24.6583,
19.1906)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3075
RGB	255, 48, 117
RGB Percent	100%, 19%, 46%
CMY	0.0000, 0.8117, 0.5412
CMYK	0.00, 0.81, 0.54, 0.00
HSL	340°, 100%, 59%
HSV	340°, 81%, 100%
XYZ	45.5078, 24.6583, 19.1906
YIQ	117.7590, 101.2230, 65.3430

Conversions

Conversions Part 2

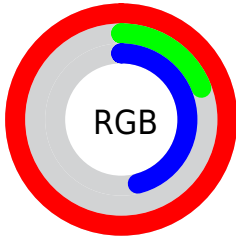
Format	Color
R_{YB}	255, 48, 117
Decimal	16724085
CIE _{Lab}	56.74, 77.62, 13.28
CIE _{LCh}	57, 78.748, 9.709
Yxy	24.6583, 0.5093, 0.2760
Android (android.graphics.Color)	4294914165 (0xFFFF3075)
YUV	117.7590, -0.3742, 120.3604
Hunter-Lab	49.6571, 76.6847, 11.8466

Details

The XYZ color **45.5078, 24.6583, 19.1906** 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 **45.8446, 75.6944, 58.6590**, and the grayscale version is **17.1264, 18.0183, 19.6219**.

A 20% lighter version of the original color is **54.6468, 36.6154, 41.7234**, and **22.5600, 11.5060, 6.6621** is the 20% darker color. If you saturate the color by 10%, you get **43.8369, 22.7738, 14.1416**, and if you desaturate by 10%, it is **47.9598, 27.8148, 25.3960**.

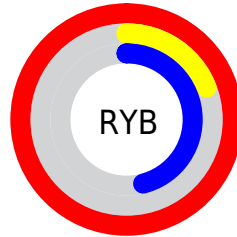
Distribution



Red (100%)

Green (19%)

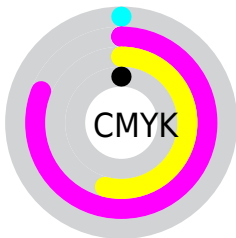
Blue (46%)



Red (100%)

Yellow (19%)

Blue (46%)

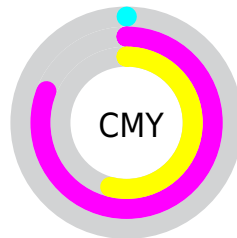


Cyan (0%)

Magenta (81%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5078, 24.6583, 19.1906 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 45.5078, 24.6583, 19.1906 by changing the saturation by 10% instead.


 45.5078, 24.6583,
19.1906


 45.5078, 24.6583,
19.1906


359.5755,
276.1319, 259.9567


 32.0606, 15.8227,
11.6299


 82.7143, 51.1023,
42.8969

 21.5635, 9.3988,
6.3727


 107.2042, 69.4795,
59.8796


 13.6514, 5.0022,
3.0006


 136.1058, 91.8060,
80.8399

 7.9587, 2.2485,
1.0949

 169.7844,
118.4662, 106.1966

 4.1201, 0.7463,
0.0000

 208.6053,
149.8445, 136.3681

 1.7703, 0.0000,
0.0000

252.9338,

 0.4997, 0.0000,

186.3253, 171.7729

0.0000

303.1355,
228.2930, 212.8295

■ 0.0000, 0.0000,
0.0000

■ 45.5078, 24.6583,
19.1906

■ 45.5078, 24.6583,
19.1906

■ 43.8369, 22.7738,
14.1416

■ 47.9598, 27.8148,
25.3960

■ 42.8788, 21.9155,
10.5612

■ 51.2896, 32.4217,
32.8343

■ 55.5810, 38.6331,
41.5757

■ 60.9068, 46.5818,
51.6835

■ 67.3326, 56.3870,
63.2170

74.9183, 68.1571,
76.2313

83.7194, 81.9922,
90.7788

93.7878, 97.9854,
106.9088

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.



44.2085, 24.6583, 48.4830



45.5078, 24.6583, 19.1906



39.8159, 24.6583, 5.7658

Triad

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



45.5078, 24.6583, 19.1906



13.8682, 24.6583, 3.7094



17.8310, 24.6583, 107.7055

Complementary

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



45.5078, 24.6583, 19.1906



45.8446, 75.6944, 58.6590

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.



12.3077, 24.6583, 73.8558



45.5078, 24.6583, 19.1906



10.4691, 24.6583, 12.8521

Square

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



45.5078, 24.6583, 19.1906



20.5831, 24.6583, 1.4861



9.9843, 24.6583, 36.3132



26.5431, 24.6583, 113.9156

Rectangle

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



45.5078, 24.6583, 19.1906



33.5200, 24.6583, 2.5765



9.9843, 24.6583, 36.3132



15.6107, 24.6583, 98.4742

Sweetspot

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



45.5084, 24.6598, 19.1910



72.6500, 64.6197, 72.3936



39.3588, 19.7753, 96.3498



14.9682, 12.9279, 14.4984



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.



45.5084, 24.6598, 19.1910



43.1721, 22.1657, 11.6948



44.8300, 27.5862, 5.7603



18.2590, 18.0869, 19.9813



22.4668, 11.4760, 5.8425



2.2358, 1.1367, 0.8231

Inverse Universe

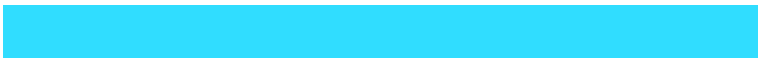
The Inverse Universe completely reimagines the original color for something new.



45.5084, 24.6598, 19.1910



43.1721, 22.1657, 11.6948



44.9951, 59.2995, 103.6816



18.2590, 18.0869, 19.9813



22.4668, 11.4760, 5.8425



2.2358, 1.1367, 0.8231

Previews

White Background



This preview shows how the XYZ color 45.5078, 24.6583, 19.1906 looks on a white background.

Color Contrast Check

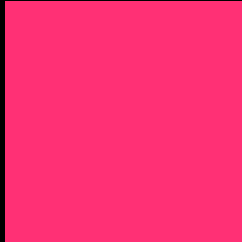
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.5078, 24.6583, 19.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

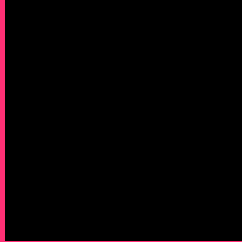
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5078, 24.6583, 19.1906

Background



This preview shows how black text looks on a background with the XYZ color 45.5078, 24.6583, 19.1906.



This preview shows how white text looks on a background with the XYZ color 45.5078, 24.6583,

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

45.5078, 24.6583, 19.1906

Protanopia

24.4571, 24.7264, 37.2019

Deuteranopia

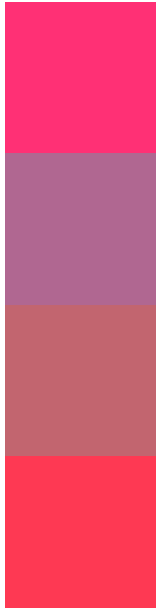
25.0682, 24.6651, 17.3495



Tritanopia

43.1561, 24.6981, 7.3431

Trichromacy



Original Color

45.5078, 24.6583, 19.1906

Protanomaly

27.8656, 20.9749, 29.3680

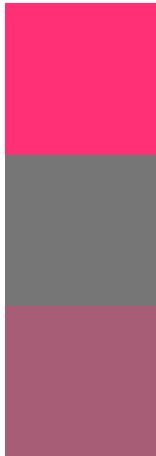
Deuteranomaly

29.7711, 21.9244, 17.7016

Tritanomaly

43.8975, 24.6216, 10.6224

Monochromacy



Original Color

45.5078, 24.6583, 19.1906

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 45.5078, 24.6583, 19.1906 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, 48, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 117)  
}
```

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, 48, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 117) }
```

Border

The CSS property to change the border of an element to XYZ 45.5078, 24.6583, 19.1906 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, 48, 117) }
```


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

```
.border{ border-color:rgb(255, 48, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5078, 24.6583, 19.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 117) }
```

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

```
.background{ background-color: rgb(255, 48,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor