

# Converting Colors

XYZ(54.4128, 30.4884, 18.0816)

Have a look what the booklet for  
XYZ(54.4128, 30.4884, 18.0816)  
contains.

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# Color

**XYZ(45.9995, 26.1883,  
17.6693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF416F
RGB	255, 65, 111
RGB Percent	100%, 25%, 44%
CMY	0.0000, 0.7450, 0.5647
CMYK	0.00, 0.75, 0.56, 0.00
HSL	345°, 100%, 63%
HSV	345°, 75%, 100%
XYZ	45.9995, 26.1883, 17.6693
YIQ	127.0540, 98.4740, 54.5860

# Conversions

## Conversions Part 2

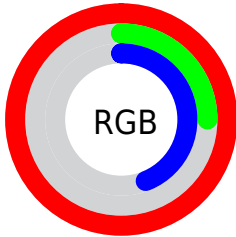
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 65, 111
Decimal	16728431
CIE <sub>Lab</sub>	58.22, 72.67, 18.87
CIE <sub>LCh</sub>	58, 75.078, 14.555
Yxy	26.1883, 0.5119, 0.2914
Android (android.graphics.Color)	4294918511 (0xFFFF416F)
YUV	127.0540, -7.9146, 112.2086
Hunter-Lab	51.1745, 70.8939, 15.3508

# Details

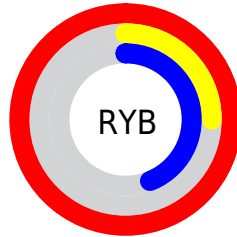
The XYZ color **45.9995, 26.1883, 17.6693** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **49.4510, 77.2480, 72.6343**, and the grayscale version is **20.1960, 21.2478, 23.1388**.

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 **43.8998, 23.5119, 12.2749**, and if you desaturate by 10%, it is **48.9908, 30.2798, 24.4972**.

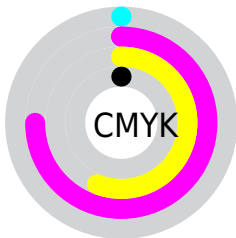
# Distribution



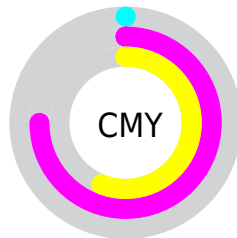
- Red (100%)
- Green (25%)
- Blue (44%)



- 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 45.9995, 26.1883, 17.6693 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 45.9995, 26.1883, 17.6693 by changing the saturation by 10% instead.





 45.9995, 26.1883,  
17.6693


 45.9995, 26.1883,  
17.6693


361.5226,  
283.7052, 251.1736


 32.4500, 16.9646,  
10.5458


 83.4461, 53.5786,  
40.2793


 21.8627, 10.2092,  
5.6520


 108.0740, 72.5139,  
56.6029


 13.8721, 5.5379,  
2.5693


 137.1254, 95.4552,  
76.8304

 8.1129, 2.5662,  
0.8766

 170.9657,  
122.7869, 101.3802

 4.2197, 0.9097,  
0.0000

 209.9602,  
154.8933, 130.6708

 1.8271, 0.0000,  
0.0000

254.4743,

 0.5339, 0.0000,

192.1589, 165.1209

0.0000

304.8733,  
234.9681, 205.1490

■ 0.0000, 0.0000,  
0.0000

■ 45.9995, 26.1883,  
17.6693

■ 45.9995, 26.1883,  
17.6693

■ 43.8998, 23.5119,  
12.2749

■ 48.9908, 30.2798,  
24.4972

■ 42.5780, 22.0467,  
8.2014

■ 52.9641, 35.9449,  
32.8556

■ 42.1017, 21.6046,  
6.4688

■ 58.0005, 43.3256,  
42.8336

■ 64.1717, 52.5468,  
54.5132

■ 71.5432, 63.7216,  
67.9705

80.1753, 76.9541,  
83.2766

90.1241, 92.3410,  
100.4991

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.



45.8935, 26.1883, 44.0786



45.9995, 26.1883, 17.6693



39.5844, 26.1883, 5.8072

# Triad

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



45.9995, 26.1883, 17.6693



14.5088, 26.1883, 5.6185



20.5096, 26.1883, 109.4131

# Complementary

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



45.9995, 26.1883, 17.6693



49.4510, 77.2480, 72.6343

# 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.



14.3750, 26.1883, 80.2144



45.9995, 26.1883, 17.6693



11.5318, 26.1883, 17.1278

# Square

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



45.9995, 26.1883, 17.6693



20.7415, 26.1883, 2.3003



11.4897, 26.1883, 43.0799



29.5605, 26.1883, 109.9082



# Rectangle

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



45.9995, 26.1883, 17.6693



33.2057, 26.1883, 2.9638



11.4897, 26.1883, 43.0799



18.0952, 26.1883, 102.0924

# Sweetspot

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



46.0001, 26.1898, 17.6697



73.5846, 66.8385, 71.6275



45.8139, 24.3402, 96.8906



15.2778, 13.5851, 14.4848



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.



46.0001, 26.1898, 17.6697



43.2171, 22.7172, 10.2873



48.0450, 33.3430, 8.9068



18.1896, 18.0592, 19.6156



22.0477, 11.3084, 3.6358



2.1875, 1.1174, 0.5686



# Inverse Universe

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



46.0001, 26.1898, 17.6697



43.2171, 22.7172, 10.2873



42.6657, 53.2141, 102.6298



18.1896, 18.0592, 19.6156



22.0477, 11.3084, 3.6358



2.1875, 1.1174, 0.5686



# Previews

## White Background



This preview shows how the XYZ color 45.9995, 26.1883, 17.6693 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 45.9995, 26.1883, 17.6693 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 45.9995, 26.1883, 17.6693**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9995, 26.1883, 17.6693.



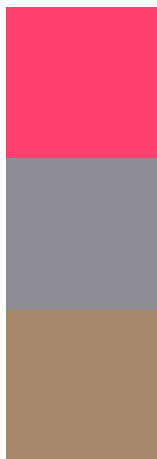
This preview shows how white text looks on a background with the XYZ color 45.9995, 26.1883,



# 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

45.9995, 26.1883, 17.6693

### Protanopia

25.4836, 26.2345, 31.3244

### Deuteranopia

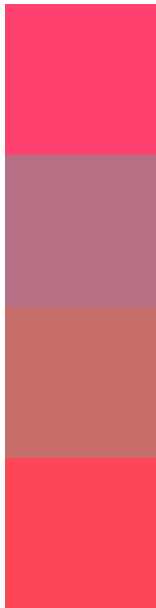
26.6493, 26.1165, 16.2068



## Tritanopia

44.1951, 26.1695, 9.5594

# Trichromacy



## Original Color

45.9995, 26.1883, 17.6693

## Protanomaly

29.3887, 23.2547, 25.4939

## Deuteranomaly

31.3071, 23.9630, 16.3398

## Tritanomaly

44.8664, 26.1724, 12.1383

# Monochromacy



## Original Color

45.9995, 26.1883, 17.6693

## Achromatopsia

20.1725, 21.2231, 23.1119

## Achromatomaly

25.8571, 20.2798, 20.6407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9995, 26.1883, 17.6693 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, 65, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 65, 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, 65, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 65, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9995, 26.1883, 17.6693 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, 65, 111) }
```



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

```
.border{ border-color:rgb(255, 65, 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, 65, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 65, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 65, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 65,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9995, 26.1883, 17.6693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 65, 111) }
```

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

```
.background{ background-color: rgb(255, 65,  
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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