

# Converting Colors

XYZ(49.2366, 28.2392, 15.4788)

Have a look what the booklet for  
XYZ(49.2366, 28.2392, 15.4788)  
contains.

<b>XYZ(45.7664, 26.4756, 15.2685)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.7664, 26.4756,  
15.2685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF4566
RGB	255, 69, 102
RGB Percent	100%, 27%, 40%
CMY	0.0000, 0.7294, 0.6000
CMYK	0.00, 0.73, 0.60, 0.00
HSL	349°, 100%, 64%
HSV	349°, 73%, 100%
XYZ	45.7664, 26.4756, 15.2685
YIQ	128.3760, 100.2630, 49.6950

# Conversions

## Conversions Part 2

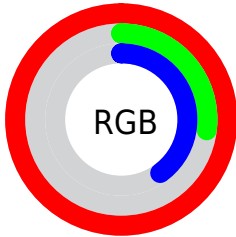
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 69, 102
Decimal	16729446
CIE Lab	58.49, 70.84, 24.52
CIE LCh	58, 74.961, 19.091
Yxy	26.4756, 0.5230, 0.3025
Android (android.graphics.Color)	4294919526 (0xFFFF4566)
YUV	128.3760, -13.0034, 111.0492
Hunter-Lab	51.4544, 68.7224, 18.4245

# Details

The XYZ color **45.7664, 26.4756, 15.2685** 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 **51.4015, 78.0599, 81.4741**, and the grayscale version is **20.6697, 21.7462, 23.6816**.

A 20% lighter version of the original color is **54.9724, 39.5252, 34.8687**, and **22.1997, 11.3619, 4.7644** is the 20% darker color. If you saturate the color by 10%, you get **43.6085, 23.6197, 10.0498**, and if you desaturate by 10%, it is **48.8621, 30.7865, 22.0987**.

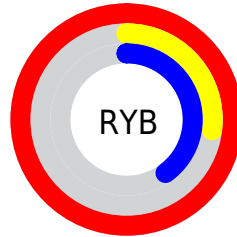
# Distribution



Red (100%)

Green (27%)

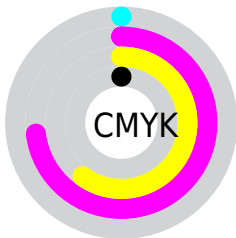
Blue (40%)



Red (100%)

Yellow (27%)

Blue (40%)

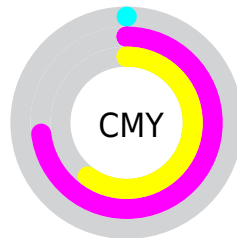


Cyan (0%)

Magenta (73%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (73%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7664, 26.4756, 15.2685 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 45.7664, 26.4756, 15.2685 by changing the saturation by 10% instead.





 45.7664, 26.4756,  
15.2685


 45.7664, 26.4756,  
15.2685

360.6004,  
285.1090, 236.6822


 32.2654, 17.1798,  
8.8593


 83.0993, 54.0412,  
36.0725

 21.7208, 10.3628,  
4.5540


 107.6619, 73.0798,  
51.3043


 13.7673, 5.6401,  
1.9339


 136.6423, 96.1348,  
70.3142

 8.0396, 2.6275,  
0.5142

 170.4060,  
123.5905, 93.5206

 4.1723, 0.9405,  
0.0000

 209.3183,  
155.8314, 121.3420

 1.8001, 0.0000,  
0.0000

253.7446,

 0.5177, 0.0000,

193.2418, 154.1971

0.0000

304.0502,  
236.2063, 192.5043

■ 0.0000, 0.0000,  
0.0000

■ 45.7664, 26.4756,  
15.2685

■ 45.7664, 26.4756,  
15.2685

■ 43.6085, 23.6197,  
10.0498

■ 48.8621, 30.7865,  
22.0987

■ 42.2731, 22.0197,  
6.3035

■ 52.9885, 36.7084,  
30.6601

■ 41.7178, 21.4511,  
4.4473

■ 58.2292, 44.3822,  
41.0626

■ 64.6585, 53.9322,  
53.4060

■ 72.3444, 65.4713,  
67.7831

81.3493, 79.1035,  
84.2807

91.7319, 94.9255,  
102.9803

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.



46.7431, 26.4756, 39.4750



45.7664, 26.4756, 15.2685



38.5617, 26.4756, 5.0319

# Triad

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



45.7664, 26.4756, 15.2685



14.0556, 26.4756, 6.7961



21.9737, 26.4756, 112.2328

# Complementary

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



45.7664, 26.4756, 15.2685



51.4015, 78.0599, 81.4741

# 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.



15.2965, 26.4756, 86.2815



45.7664, 26.4756, 15.2685



11.5214, 26.4756, 20.2905

# Square

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



45.7664, 26.4756, 15.2685



19.8284, 26.4756, 2.5990



11.9124, 26.4756, 48.6903



31.3806, 26.4756, 107.6824



# Rectangle

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



45.7664, 26.4756, 15.2685



31.9935, 26.4756, 2.7107



11.9124, 26.4756, 48.6903



19.3833, 26.4756, 106.3688

# Sweetspot

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



45.7670, 26.4771, 15.2689



73.1305, 66.6569, 69.2359



49.9678, 26.8347, 97.1532



15.1723, 13.5429, 13.9293



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.



45.7670, 26.4771, 15.2689



42.8378, 22.6665, 7.9780



50.0217, 37.1044, 10.1579



18.1409, 18.0397, 19.3590



21.8364, 11.2238, 2.5229



2.1603, 1.1065, 0.4257



# Inverse Universe

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



45.7670, 26.4771, 15.2689



42.8378, 22.6665, 7.9780



40.2685, 48.0124, 101.7522



18.1409, 18.0397, 19.3590



21.8364, 11.2238, 2.5229



2.1603, 1.1065, 0.4257



# Previews

## White Background



This preview shows how the XYZ color 45.7664, 26.4756, 15.2685 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 45.7664, 26.4756, 15.2685 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 45.7664, 26.4756, 15.2685**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.7664, 26.4756, 15.2685.



This preview shows how white text looks on a background with the XYZ color 45.7664, 26.4756,

15.2685.

# 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

45.7664, 26.4756, 15.2685

### Protanopia

25.3582, 26.4971, 26.3322

### Deuteranopia

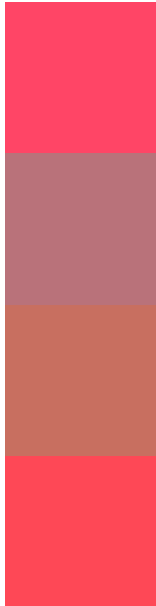
27.0019, 26.5533, 14.0581



## Tritanopia

44.6614, 26.5042, 9.7831

# Trichromacy



## Original Color

45.7664, 26.4756, 15.2685

## Protanomaly

29.5377, 23.7541, 21.4405

## Deuteranomaly

31.6152, 24.4928, 14.1276

## Tritanomaly

44.8701, 26.3774, 11.5305

# Monochromacy



## Original Color

45.7664, 26.4756, 15.2685

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

26.0430, 20.8460, 20.1038

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7664, 26.4756, 15.2685 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, 69, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 102)  
}
```

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, 69, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7664, 26.4756, 15.2685 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, 69, 102) }
```



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

```
.border{ border-color:rgb(255, 69, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 69, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7664, 26.4756, 15.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 102) }
```

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

```
.background{ background-color: rgb(255, 69,  
102) }
```

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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