

# Converting Colors

XYZ(45.7193, 26.8900, 13.6848)

Have a look what the booklet for  
XYZ(45.7193, 26.8900, 13.6848)  
contains.

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# Color

**XYZ(45.6881, 26.8513,  
13.6013)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF495F
RGB	255, 73, 95
RGB Percent	100%, 29%, 37%
CMY	0.0000, 0.7137, 0.6274
CMYK	0.00, 0.71, 0.63, 0.00
HSL	353°, 100%, 64%
HSV	353°, 71%, 100%
XYZ	45.6881, 26.8513, 13.6013
YIQ	129.9260, 101.4100, 45.4260

# Conversions

## Conversions Part 2

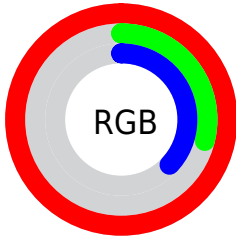
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 73, 95
Decimal	16730463
CIE Lab	58.84, 69.10, 29.05
CIE LCh	59, 74.961, 22.802
Yxy	26.8513, 0.5304, 0.3117
Android (android.graphics.Color)	4294920543 (0xFFFF495F)
YUV	129.9260, -17.2185, 109.6899
Hunter-Lab	51.8182, 66.7014, 20.7103

# Details

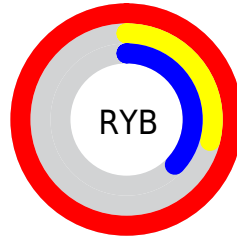
The XYZ color **45.6881, 26.8513, 13.6013** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed red. A complement of this color would be **53.2180, 78.8204, 89.5082**, and the grayscale version is **21.2275, 22.3330, 24.3206**.

A 20% lighter version of the original color is **54.7384, 40.0794, 31.6391**, and **22.0402, 11.2981, 3.9248** is the 20% darker color. If you saturate the color by 10%, you get **43.4657, 23.8097, 8.5357**, and if you desaturate by 10%, it is **48.8912, 31.3857, 20.4405**.

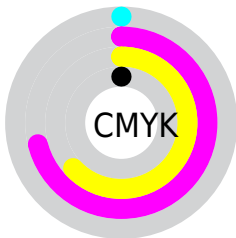
# Distribution



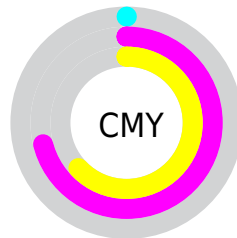
- Red (100%)
- Green (29%)
- Blue (37%)



- Red (100%)
- Yellow (29%)
- Blue (37%)



- Cyan (0%)
- Magenta (71%)
- Yellow (63%)
- Black (0%)




- Cyan (0%)
- Magenta (71%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6881, 26.8513, 13.6013 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 45.6881, 26.8513, 13.6013 by changing the saturation by 10% instead.





 45.6881, 26.8513,  
13.6013


 45.6881, 26.8513,  
13.6013


360.2903,  
286.9364, 226.0777


 32.2033, 17.4616,  
7.7083


 82.9827, 54.6452,  
33.0868


 21.6732, 10.5641,  
3.8238


 107.5233, 73.8181,  
47.5164


 13.7322, 5.7746,  
1.5292


 136.4799, 97.0209,  
65.6286

 8.0151, 2.7085,  
0.2395

 170.2179,  
124.6379, 87.8419

 4.1565, 0.9815,  
0.0000

 209.1025,  
157.0536, 114.5750

 1.7910, 0.0000,  
0.0000

253.4992,

 0.5123, 0.0000,

194.6523, 146.2463

0.0000

303.7734,  
237.8184, 183.2743

■ 0.0000, 0.0000,  
0.0000

■ 45.6881, 26.8513,  
13.6013

■ 45.6881, 26.8513,  
13.6013

■ 43.4657, 23.8097,  
8.5357

■ 48.8912, 31.3857,  
20.4405

■ 42.1062, 22.0659,  
5.0760


■ 53.1707, 37.5670,  
29.1974

■ 41.4846, 21.3578,  
3.2192

■ 58.6130, 45.5351,  
40.0025

■ 65.2950, 55.4138,  
52.9747

■ 73.2871, 67.3158,  
68.2234

 82.6543, 81.3452,  
85.8509

 93.4573, 97.5988,  
105.9530

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.



47.5562, 26.8513, 36.0978



45.6881, 26.8513, 13.6013



37.8604, 26.8513, 4.5333

# Triad

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



45.6881, 26.8513, 13.6013



13.8104, 26.8513, 7.9832



23.3561, 26.8513, 114.5290

# Complementary

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



45.6881, 26.8513, 13.6013



53.2180, 78.8204, 89.5082

# 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.



16.2049, 26.8513, 91.5064



45.6881, 26.8513, 13.6013



11.6261, 26.8513, 23.3049

# Square

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



45.6881, 26.8513, 13.6013



19.2284, 26.8513, 2.9288



12.3821, 26.8513, 53.7640



33.0563, 26.8513, 105.8599



# Rectangle

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



45.6881, 26.8513, 13.6013



31.1521, 26.8513, 2.5765



12.3821, 26.8513, 53.7640



20.6136, 26.8513, 109.9281

# Sweetspot

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



45.6887, 26.8529, 13.6017



73.6070, 67.7935, 68.8289



53.3026, 28.9315, 97.3822



15.2508, 13.7580, 13.7759



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.



45.6887, 26.8529, 13.6017



42.7367, 22.8536, 6.7445



51.7831, 40.4217, 11.3784



18.0986, 18.0228, 19.1366



21.7045, 11.1711, 1.8285



2.1403, 1.0985, 0.3204



# Inverse Universe

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



45.6887, 26.8529, 13.6017



42.7367, 22.8536, 6.7445



38.8397, 44.7192, 101.1918



18.0986, 18.0228, 19.1366



21.7045, 11.1711, 1.8285



2.1403, 1.0985, 0.3204



# Previews

## White Background



This preview shows how the XYZ color 45.6881, 26.8513, 13.6013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

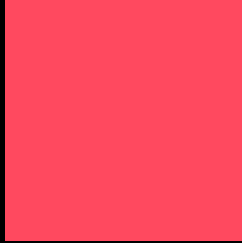
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.6881, 26.8513, 13.6013 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 45.6881, 26.8513, 13.6013**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.6881, 26.8513, 13.6013.



This preview shows how white text looks on a background with the XYZ color 45.6881, 26.8513,



# 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

45.6881, 26.8513, 13.6013

### Protanopia

25.3757, 26.8009, 22.9044

### Deuteranopia

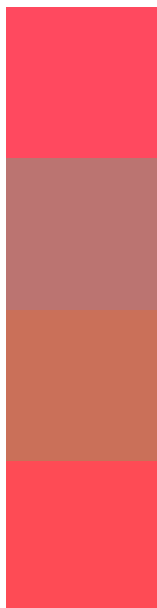
27.3569, 26.7705, 12.5295



## Tritanopia

44.8688, 26.8042, 10.2060

# Trichromacy



## Original Color

45.6881, 26.8513, 13.6013

## Protanomaly

29.7195, 24.2478, 18.7367

## Deuteranomaly

31.9545, 24.8662, 12.5667

## Tritanomaly

45.0288, 26.7589, 11.3860

# Monochromacy



## Original Color

45.6881, 26.8513, 13.6013

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

26.3587, 21.3356, 19.5585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.6881, 26.8513, 13.6013 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, 73, 95)` looks like.

```
.text, #text, p{  
    color:rgb(255, 73, 95)  
}
```

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, 73, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 73, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 45.6881, 26.8513, 13.6013 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, 73, 95) }
```



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

```
.border{ border-color:rgb(255, 73, 95) }
```

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

Here you see how a box with a 4 pixel rgb(255, 73, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 73, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 73, 95);  
box-shadow:4px 4px 4px 4px rgb(255, 73,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.6881, 26.8513, 13.6013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 73, 95) }
```

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

```
.background{ background-color: rgb(255, 73,  
95) }
```

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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