

# Converting Colors

XYZ(58.3196, 32.4241, 13.3799)

Have a look what the booklet for  
XYZ(58.3196, 32.4241, 13.3799)  
contains.

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# Color

**XYZ(44.8944, 25.4780,  
12.6768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3E5C
RGB	255, 62, 92
RGB Percent	100%, 24%, 36%
CMY	0.0000, 0.7568, 0.6392
CMYK	0.00, 0.76, 0.64, 0.00
HSL	351°, 100%, 62%
HSV	351°, 76%, 100%
XYZ	44.8944, 25.4780, 12.6768
YIQ	123.1270, 105.3980, 50.2460

# Conversions

## Conversions Part 2

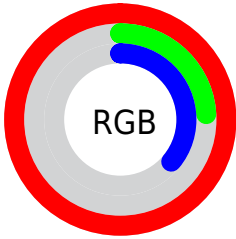
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 62, 92
Decimal	16727644
CIE <sub>Lab</sub>	57.54, 72.42, 29.13
CIE <sub>LCh</sub>	58, 78.057, 21.913
Yxy	25.4780, 0.5406, 0.3068
Android (android.graphics.Color)	4294917724 (0xFFFF3E5C)
YUV	123.1270, -15.3456, 115.6526
Hunter-Lab	50.4757, 70.4299, 20.4425

# Details

The XYZ color **44.8944, 25.4780, 12.6768** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **51.3399, 77.9812, 83.5902**, and the grayscale version is **18.8955, 19.8795, 21.6488**.

A 20% lighter version of the original color is **53.4561, 37.8802, 30.0854**, and **21.9989, 11.2816, 3.7074** is the 20% darker color. If you saturate the color by 10%, you get **43.0065, 23.0011, 8.0442**, and if you desaturate by 10%, it is **47.7009, 29.3644, 18.9360**.

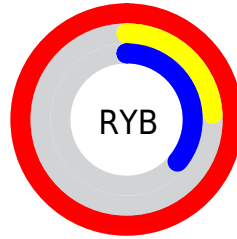
# Distribution



Red (100%)

Green (24%)

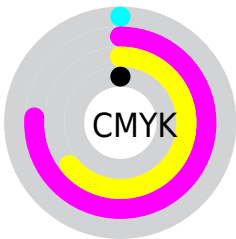
Blue (36%)



Red (100%)

Yellow (24%)

Blue (36%)

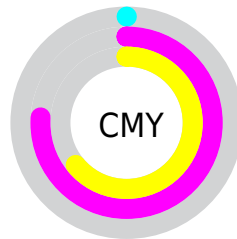


Cyan (0%)

Magenta (76%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (76%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8944, 25.4780, 12.6768 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 44.8944, 25.4780, 12.6768 by changing the saturation by 10% instead.





 44.8944, 25.4780,  
12.6768


 44.8944, 25.4780,  
12.6768


357.1366,  
280.2101, 219.9704


 31.5752, 16.4335,  
7.0783


 81.8000, 52.4316,  
31.4045

 21.1912, 9.8315,  
3.4319


 106.1170, 71.1096,  
45.3708


 13.3771, 5.2873,  
1.3192

 134.8307, 93.7675,  
62.9634

 7.7675, 2.4168,  
0.0774

 168.3065,  
120.7897, 84.6009

 3.9971, 0.8345,  
0.0000

 206.9096,  
152.5607, 110.7018

 1.7005, 0.0000,  
0.0000

251.0054,

 0.4566, 0.0000,

189.4649, 141.6847

0.0000

300.9593,  
231.8865, 177.9680

■ 0.0000, 0.0000,  
0.0000

■ 44.8944, 25.4780,  
12.6768

■ 44.8944, 25.4780,  
12.6768

■ 43.0065, 23.0011,  
8.0442

■ 47.7009, 29.3644,  
18.9360

■ 41.9124, 21.7207,  
4.8809


■ 51.5251, 34.8250,  
26.9561


■ 41.6163, 21.4105,  
3.9131

■ 56.4552, 42.0062,  
36.8584

■ 62.5691, 51.0367,  
48.7529

■ 69.9374, 62.0327,  
62.7411

 78.6255, 75.1010,  
78.9177

 88.6939, 90.3406,  
97.3713

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



46.5976, 25.4780, 35.5912



44.8944, 25.4780, 12.6768



37.0130, 25.4780, 3.7990

# Triad

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



44.8944, 25.4780, 12.6768



12.6881, 25.4780, 6.6191



21.7855, 25.4780, 115.6683

# Complementary

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



44.8944, 25.4780, 12.6768



51.3399, 77.9812, 83.5902

# 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.



14.7719, 25.4780, 90.7644



44.8944, 25.4780, 12.6768



10.4713, 25.4780, 21.1397

# Square

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



44.8944, 25.4780, 12.6768



18.1343, 25.4780, 2.1878



11.1217, 25.4780, 51.5920



31.5250, 25.4780, 107.5942



# Rectangle

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



44.8944, 25.4780, 12.6768



30.2057, 25.4780, 1.9796



11.1217, 25.4780, 51.5920



19.0757, 25.4780, 110.5082

# Sweetspot

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



44.8950, 25.4795, 12.6772



72.1344, 65.3281, 66.8587



50.1541, 26.3287, 97.0457



14.8108, 13.0398, 13.1306



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.



44.8950, 25.4795, 12.6772



42.3350, 22.1866, 6.1895



49.6145, 36.6175, 9.0126



18.1244, 18.0331, 19.2723



21.7795, 11.2011, 2.2235



2.1524, 1.1033, 0.3840



# Inverse Universe

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



44.8950, 25.4795, 12.6772



42.3350, 22.1866, 6.1895



38.5967, 45.3630, 101.3288



18.1244, 18.0331, 19.2723



21.7795, 11.2011, 2.2235



2.1524, 1.1033, 0.3840



# Previews

## White Background



This preview shows how the XYZ color 44.8944, 25.4780, 12.6768 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

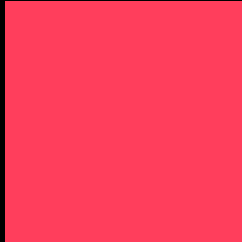
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.8944, 25.4780, 12.6768 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 44.8944, 25.4780, 12.6768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.8944, 25.4780, 12.6768.



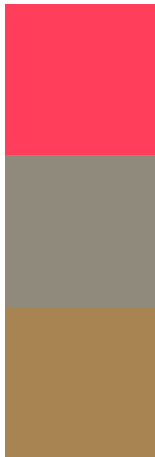
This preview shows how white text looks on a background with the XYZ color 44.8944, 25.4780,



# 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

44.8944, 25.4780, 12.6768

### Protanopia

24.2282, 25.5615, 22.7257

### Deuteranopia

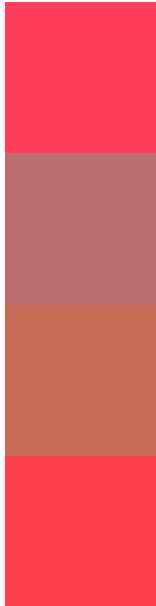
25.9227, 25.4366, 11.5261



## Tritanopia

43.9544, 25.5148, 8.2384

# Trichromacy



## Original Color

44.8944, 25.4780, 12.6768

## Protanomaly

28.2677, 22.5121, 18.1846

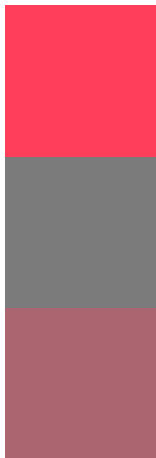
## Deuteranomaly

30.7568, 23.4666, 11.7125

## Tritanomaly

44.1029, 25.3872, 9.5969

# Monochromacy



## Original Color

44.8944, 25.4780, 12.6768

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

24.3729, 19.1351, 17.7381

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.8944, 25.4780, 12.6768 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, 62, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 92)  
}
```

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, 62, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 92) }
```

## Border

The CSS property to change the border of an element to XYZ 44.8944, 25.4780, 12.6768 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, 62, 92) }
```



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

```
.border{ border-color:rgb(255, 62, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 62, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
92) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.8944, 25.4780, 12.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 92) }
```

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

```
.background{ background-color: rgb(255, 62,  
92) }
```

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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