

# Converting Colors

XYZ(40.9768, 24.2657, 11.7566)

Have a look what the booklet for  
XYZ(40.9768, 24.2657, 11.7566)  
contains.

<b>XYZ(40.9768, 24.2657, 11.7566)</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(40.9768, 24.2657,  
11.7566)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F34758
RGB	243, 71, 88
RGB Percent	95%, 28%, 35%
CMY	0.0471, 0.7215, 0.6549
CMYK	0.00, 0.71, 0.64, 0.05
HSL	354°, 88%, 62%
HSV	354°, 71%, 95%
XYZ	40.9768, 24.2657, 11.7566
YIQ	124.3660, 97.0550, 41.7510

# Conversions

## Conversions Part 2

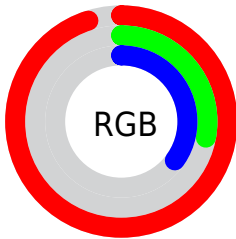
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 71, 88
Decimal	15943512
CIE <sub>Lab</sub>	56.35, 65.85, 29.51
CIE <sub>LCh</sub>	56, 72.164, 24.137
Yxy	24.2657, 0.5322, 0.3151
Android (android.graphics.Color)	4294133592 (0xFFFF34758)
YUV	124.3660, -17.9284, 104.0420
Hunter-Lab	49.2602, 62.2787, 20.3318

# Details

The XYZ color **40.9768, 24.2657, 11.7566** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **48.3786, 70.9323, 83.1003**, and the grayscale version is **19.3171, 20.3231, 22.1319**.

A 20% lighter version of the original color is **53.8101, 39.0602, 28.7480**, and **19.2584, 9.8777, 3.1771** is the 20% darker color. If you saturate the color by 10%, you get **38.9533, 21.4592, 7.2589**, and if you desaturate by 10%, it is **43.8913, 28.4189, 17.8955**.

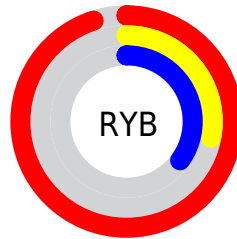
# Distribution



Red (95%)

Green (28%)

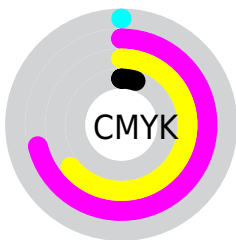
Blue (35%)



Red (95%)

Yellow (28%)

Blue (35%)

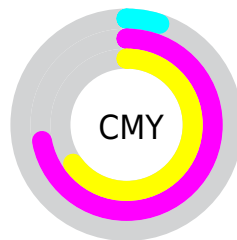


Cyan (0%)

Magenta (71%)

Yellow (64%)

Black (5%)



Cyan (5%)

Magenta (72%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9768, 24.2657, 11.7566 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 40.9768, 24.2657, 11.7566 by changing the saturation by 10% instead.




 40.9768, 24.2657,  
11.7566


 40.9768, 24.2657,  
11.7566


341.2879,  
274.1610, 213.7076


 28.4885, 15.5308,  
6.4576


 75.9236, 50.4634,  
29.7088

 18.8366, 9.1928,  
3.0520


 99.1129, 68.6951,  
43.1990


 11.6556, 4.8671,  
1.1213


 126.5998, 90.8611,  
60.2568

 6.5801, 2.1695,  
0.0000


 158.7499,  
117.3460, 81.3007

 3.2449, 0.7033,  
0.0000

 195.9284,  
148.5340, 106.7492

 1.2846, 0.0000,  
0.0000

238.5006,

 0.1716, 0.0000,

184.8096, 137.0208

0.0000

286.8320,  
226.5571, 172.5341

■ 0.0000, 0.0000,  
0.0000

■ 40.9768, 24.2657,  
11.7566

■ 40.9768, 24.2657,  
11.7566

■ 38.9533, 21.4592,  
7.2589

■ 43.8913, 28.4189,  
17.8955

■ 37.7152, 19.8276,  
4.2421


■ 47.7829, 34.0547,  
25.8129


■ 37.1268, 19.1205,  
2.5982


■ 52.7295, 41.2974,  
35.6328

■ 58.8004, 50.2567,  
47.4680

■ 66.0593, 61.0329,  
61.4222

 74.5648, 73.7185,  
77.5921

 84.3718, 88.3997,  
96.0684

 90.7719, 97.7946,  
108.6998

# Harmonies

## Analogous

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



42.9379, 24.2657, 31.3869



40.9768, 24.2657, 11.7566



33.7724, 24.2657, 3.9599

# Triad

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



40.9768, 24.2657, 11.7566



12.3697, 24.2657, 7.6340



21.4668, 24.2657, 103.3174

# Complementary

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



40.9768, 24.2657, 11.7566



48.3786, 70.9323, 83.1003

# 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.



14.8983, 24.2657, 83.7252



40.9768, 24.2657, 11.7566



10.5219, 24.2657, 22.0090

# Square

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



40.9768, 24.2657, 11.7566



17.1167, 24.2657, 2.7800



11.3213, 24.2657, 49.9570



30.2500, 24.2657, 94.2415



# Rectangle

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



40.9768, 24.2657, 11.7566



27.7226, 24.2657, 2.3055



11.3213, 24.2657, 49.9570



18.9586, 24.2657, 99.6237

# Sweetspot

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



40.9774, 24.2671, 11.7570



73.4624, 67.7357, 68.0672



49.7330, 27.1155, 87.4061



15.2171, 13.7445, 13.5987



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.



40.9774, 24.2671, 11.7570



42.7478, 22.9849, 6.4116



47.4495, 38.2094, 10.8375



16.5656, 16.5091, 17.4592



20.3985, 10.5029, 1.5412



1.8147, 0.9318, 0.2506



# Inverse Universe

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



40.9774, 24.2671, 11.7570



42.7478, 22.9849, 6.4116



33.9525, 38.1621, 90.3700



16.5656, 16.5091, 17.4592



20.3985, 10.5029, 1.5412



1.8147, 0.9318, 0.2506



# Previews

## White Background



This preview shows how the XYZ color 40.9768, 24.2657, 11.7566 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 40.9768, 24.2657, 11.7566 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 40.9768, 24.2657, 11.7566**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.9768, 24.2657, 11.7566.



This preview shows how white text looks on a background with the XYZ color 40.9768, 24.2657,



# 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

40.9768, 24.2657, 11.7566

### Protanopia

23.0862, 24.4054, 19.7136

### Deuteranopia

24.7786, 24.2644, 10.7747



## Tritanopia

40.6842, 24.3556, 9.5780

# Trichromacy



## Original Color

40.9768, 24.2657, 11.7566

## Protanomaly

26.9344, 22.1920, 16.2285

## Deuteranomaly

28.8779, 22.6718, 10.8367

## Tritanomaly

40.7647, 24.2835, 10.3232

# Monochromacy



## Original Color

40.9768, 24.2657, 11.7566

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

23.8572, 19.4663, 17.5389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.9768, 24.2657, 11.7566 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(243, 71, 88)` looks like.

```
.text, #text, p{  
    color:rgb(243, 71, 88)  
}
```

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(243, 71, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 71, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 40.9768, 24.2657, 11.7566 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(243, 71, 88) }
```



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

```
.border{ border-color:rgb(243, 71, 88) }
```

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

Here you see how a box with a 4 pixel rgb(243, 71, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 71, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 71, 88);  
box-shadow:4px 4px 4px 4px rgb(243, 71,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.9768, 24.2657, 11.7566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 71, 88) }
```

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

```
.background{ background-color: rgb(243, 71,  
88) }
```

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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