

# Converting Colors

XYZ(40.8214, 24.1760, 14.3608)

Have a look what the booklet for  
XYZ(40.8214, 24.1760, 14.3608)  
contains.

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# Color

**XYZ(40.8451, 24.2364,  
14.3297)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F14863
RGB	241, 72, 99
RGB Percent	95%, 28%, 39%
CMY	0.0549, 0.7176, 0.6118
CMYK	0.00, 0.70, 0.59, 0.05
HSL	350°, 86%, 61%
HSV	350°, 70%, 95%
XYZ	40.8451, 24.2364, 14.3297
YIQ	125.6090, 92.0570, 44.2250

# Conversions

## Conversions Part 2

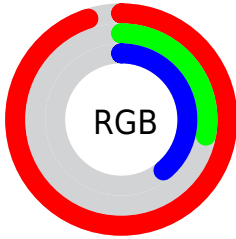
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 72, 99
Decimal	15812707
CIE <sub>Lab</sub>	56.32, 65.57, 22.96
CIE <sub>LCh</sub>	56, 69.480, 19.300
Yxy	24.2364, 0.5143, 0.3052
Android (android.graphics.Color)	4294002787 (0xFFFF14863)
YUV	125.6090, -13.1182, 101.1979
Hunter-Lab	49.2305, 61.9429, 17.2036

# Details

The XYZ color **40.8451, 24.2364, 14.3297** 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 **46.2674, 69.1439, 74.5331**, and the grayscale version is **19.7213, 20.7484, 22.5950**.

A 20% lighter version of the original color is **54.8613, 39.6946, 33.6245**, and **19.0027, 9.7220, 4.2431** is the 20% darker color. If you saturate the color by 10%, you get **38.7309, 21.3682, 9.4326**, and if you desaturate by 10%, it is **43.8134, 28.4248, 20.7094**.

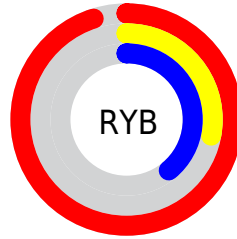
# Distribution



Red (95%)

Green (28%)

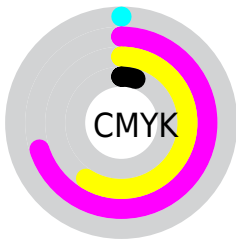
Blue (39%)



Red (95%)

Yellow (28%)

Blue (39%)

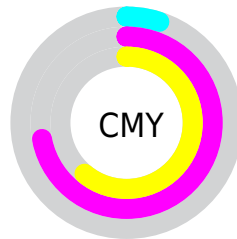


Cyan (0%)

Magenta (70%)

Yellow (59%)

Black (5%)



Cyan (5%)

Magenta (72%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8451, 24.2364, 14.3297 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 40.8451, 24.2364, 14.3297 by changing the saturation by 10% instead.




 40.8451, 24.2364,  
14.3297


 40.8451, 24.2364,  
14.3297


340.7465,  
274.0135, 230.7717


 28.3852, 15.5091,  
8.2090


 75.7249, 50.4157,  
34.3984

 18.7582, 9.1774,  
4.1393


 98.8755, 68.6365,  
49.1835


 11.5986, 4.8571,  
1.7021


 126.3204, 90.7905,  
67.6937

 6.5413, 2.1637,  
0.3621

 158.4249,  
117.2622, 90.3477

 3.2207, 0.7001,  
0.0000

 195.5544,  
148.4359, 117.5639

 1.2715, 0.0000,  
0.0000

238.0743,

 0.1617, 0.0000,

184.6961, 149.7610

0.0000

286.3498,  
226.4272, 187.3574

■ 0.0000, 0.0000,  
0.0000

■ 40.8451, 24.2364,  
14.3297

■ 40.8451, 24.2364,  
14.3297

■ 38.7309, 21.3682,  
9.4326

■ 43.8134, 28.4248,  
20.7094

■ 37.3746, 19.6568,  
5.8941

■ 47.7144, 34.0634,  
28.6791


■ 36.6332, 18.8438,  
3.5818


■ 52.6196, 41.2712,  
38.3376

■ 58.5928, 50.1537,  
49.7749

■ 65.6928, 60.8071,  
63.0748

 73.9737, 73.3206,  
78.3158

 83.4863, 87.7770,  
95.5717

 90.0854, 97.4406,  
108.6677

# Harmonies

## Analogous

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



41.7272, 24.2364, 35.4555



40.8451, 24.2364, 14.3297



34.6103, 24.2364, 5.0845

# Triad

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



40.8451, 24.2364, 14.3297



13.2207, 24.2364, 6.8101



20.2930, 24.2364, 97.7966

# Complementary

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



40.8451, 24.2364, 14.3297



46.2674, 69.1439, 74.5331

# 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.



14.3811, 24.2364, 75.9486



40.8451, 24.2364, 14.3297



10.9738, 24.2364, 19.0176

# Square

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



40.8451, 24.2364, 14.3297



18.3109, 24.2364, 2.8126



11.3425, 24.2364, 43.8191



28.5111, 24.2364, 93.7532



# Rectangle

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



40.8451, 24.2364, 14.3297



28.9204, 24.2364, 2.8962



11.3425, 24.2364, 43.8191



18.0093, 24.2364, 92.8981

# Sweetspot

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



40.8457, 24.2378, 14.3301



73.8649, 67.8967, 70.1866



45.5879, 25.1086, 85.6622



15.3108, 13.7820, 14.0922



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.



40.8457, 24.2378, 14.3301



43.2964, 23.3402, 8.8814



45.2092, 34.6962, 10.4472



15.8757, 15.8000, 16.9018



19.8973, 10.2313, 2.1095



1.6856, 0.8633, 0.3351



# Inverse Universe

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



40.8457, 24.2378, 14.3301



43.2964, 23.3402, 8.8814



35.8305, 42.2891, 89.4927



15.8757, 15.8000, 16.9018



19.8973, 10.2313, 2.1095



1.6856, 0.8633, 0.3351



# Previews

## White Background



This preview shows how the XYZ color 40.8451, 24.2364, 14.3297 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 40.8451, 24.2364, 14.3297 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 40.8451, 24.2364, 14.3297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.8451, 24.2364, 14.3297.



This preview shows how white text looks on a background with the XYZ color 40.8451, 24.2364,



# 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

40.8451, 24.2364, 14.3297

### Protanopia

23.3755, 24.4619, 23.9117

### Deuteranopia

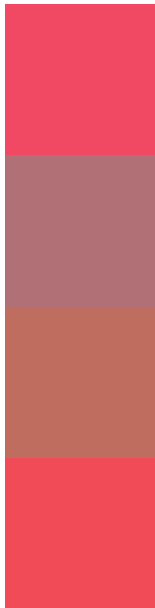
24.7713, 24.4020, 13.3020



## Tritanopia

39.9676, 24.2733, 10.1681

# Trichromacy



## Original Color

40.8451, 24.2364, 14.3297

## Protanomaly

27.1365, 22.2198, 19.6882

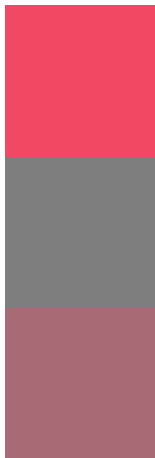
## Deuteranomaly

28.9749, 22.8218, 13.4676

## Tritanomaly

40.1716, 24.2455, 11.5794

# Monochromacy



## Original Color

40.8451, 24.2364, 14.3297

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

24.4549, 19.8939, 19.0740

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8451, 24.2364, 14.3297 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(241, 72, 99)` looks like.

```
.text, #text, p{  
    color:rgb(241, 72, 99)  
}
```

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(241, 72, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 72, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8451, 24.2364, 14.3297 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(241, 72, 99) }
```



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

```
.border{ border-color:rgb(241, 72, 99) }
```

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

Here you see how a box with a 4 pixel rgb(241, 72, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 72, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 72, 99);  
box-shadow:4px 4px 4px 4px rgb(241, 72,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8451, 24.2364, 14.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 72, 99) }
```

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

```
.background{ background-color: rgb(241, 72,  
99) }
```

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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