

# Converting Colors

XYZ(41.2356, 24.8298, 10.0164)

Have a look what the booklet for  
XYZ(41.2356, 24.8298, 10.0164)  
contains.

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# Color

**XYZ(41.2356, 24.8298,  
10.0164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F44B4F
RGB	244, 75, 79
RGB Percent	96%, 29%, 31%
CMY	0.0431, 0.7058, 0.6902
CMYK	0.00, 0.69, 0.68, 0.04
HSL	359°, 88%, 63%
HSV	359°, 69%, 96%
XYZ	41.2356, 24.8298, 10.0164
YIQ	125.9870, 99.4400, 37.0720

# Conversions

## Conversions Part 2

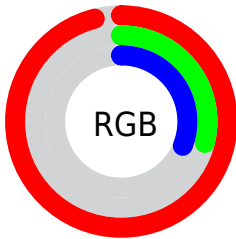
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 75, 79
Decimal	16010063
CIE Lab	56.91, 64.25, 35.42
CIE LCh	57, 73.367, 28.868
Yxy	24.8298, 0.5420, 0.3264
Android (android.graphics.Color)	4294200143 (0xFFFF44B4F)
YUV	125.9870, -23.1646, 103.4974
Hunter-Lab	49.8295, 60.5131, 22.9626

# Details

The XYZ color **41.2356, 24.8298, 10.0164** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark washed red. A complement of this color would be **50.9828, 72.4892, 93.7509**, and the grayscale version is **19.8809, 20.9162, 22.7778**.

A 20% lighter version of the original color is **53.5238, 39.5936, 25.2434**, and **19.1111, 9.8188, 2.4013** is the 20% darker color. If you saturate the color by 10%, you get **39.1688, 21.8444, 5.7886**, and if you desaturate by 10%, it is **44.2483, 29.2106, 16.0919**.

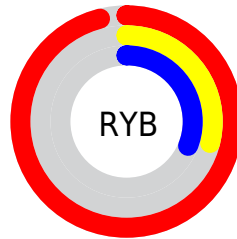
# Distribution



Red (96%)

Green (29%)

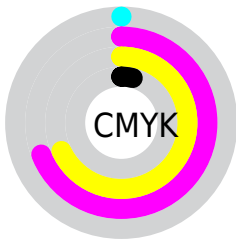
Blue (31%)



Red (96%)

Yellow (29%)

Blue (31%)

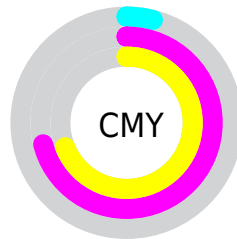


Cyan (0%)

Magenta (69%)

Yellow (68%)

Black (4%)



Cyan (4%)

Magenta (71%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2356, 24.8298, 10.0164 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 41.2356, 24.8298, 10.0164 by changing the saturation by 10% instead.





 41.2356, 24.8298,  
10.0164


 41.2356, 24.8298,  
10.0164


342.3501,  
276.9893, 201.2781


 28.6917, 15.9503,  
5.3041


 76.3139, 51.3810,  
26.4346

 18.9908, 9.4890,  
2.3649


 99.5789, 69.8214,  
38.9776

 11.7676, 5.0615,  
0.7672


 127.1485, 92.2177,  
54.9680

 6.6567, 2.2834,  
0.0000

 159.3878,  
118.9541, 74.8241

 3.2928, 0.7649,  
0.0000

 196.6623,  
150.4150, 98.9647

 1.3104, 0.0000,  
0.0000

239.3372,

 0.1910, 0.0000,

186.9850, 127.8082

0.0000

287.7781,  
229.0482, 161.7732

■ 0.0000, 0.0000,  
0.0000

■ 41.2356, 24.8298,  
10.0164

■ 41.2356, 24.8298,  
10.0164

■ 39.1688, 21.8444,  
5.7886

■ 44.2483, 29.2106,  
16.0919

■ 37.9341, 20.0820,  
3.1977

■ 48.3000, 35.1243,  
24.1928


■ 37.3689, 19.2888,  
1.9697


■ 53.4743, 42.6965,  
34.4769


■ 37.3395, 19.2456,  
1.9121

■ 59.8461, 52.0389,  
47.0865

■ 67.4838, 63.2535,  
62.1514

 76.4506, 76.4343,  
79.7922

 86.8054, 91.6694,  
100.1215

 91.1180, 97.9730,  
108.7160

# Harmonies

## Analogous

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



44.2827, 24.8298, 27.9814



41.2356, 24.8298, 10.0164



33.2184, 24.8298, 3.3879

# Triad

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



41.2356, 24.8298, 10.0164



12.0908, 24.8298, 9.2039



23.2750, 24.8298, 107.3514

# Complementary

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



41.2356, 24.8298, 10.0164



50.9828, 72.4892, 93.7509

# 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.



16.0444, 24.8298, 91.1683



41.2356, 24.8298, 10.0164



10.6317, 24.8298, 26.1110

# Square

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



41.2356, 24.8298, 10.0164



16.4857, 24.8298, 3.1591



11.8829, 24.8298, 56.9338



32.5131, 24.8298, 93.2875



# Rectangle

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



41.2356, 24.8298, 10.0164



26.9372, 24.8298, 2.1099



11.8829, 24.8298, 56.9338



20.5505, 24.8298, 105.1563

# Sweetspot

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



41.2362, 24.8313, 10.0168



72.9771, 67.5416, 65.5119



54.2290, 29.8060, 88.4824



15.1045, 13.6995, 13.0058



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.



41.2362, 24.8313, 10.0168



42.6573, 23.2296, 5.0693



50.1130, 42.8103, 12.2807



16.5150, 16.4888, 17.1926



20.3102, 10.4675, 1.0761



1.7905, 0.9222, 0.1234



# Inverse Universe

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



41.2362, 24.8313, 10.0168



42.6573, 23.2296, 5.0693



32.7117, 34.9882, 90.6167



16.5150, 16.4888, 17.1926



20.3102, 10.4675, 1.0761



1.7905, 0.9222, 0.1234



# Previews

## White Background



This preview shows how the XYZ color 41.2356, 24.8298, 10.0164 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 41.2356, 24.8298, 10.0164 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 41.2356, 24.8298, 10.0164**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2356, 24.8298, 10.0164.



This preview shows how white text looks on a background with the XYZ color 41.2356, 24.8298,



# 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

41.2356, 24.8298, 10.0164

### Protanopia

23.3766, 25.0537, 16.1741

### Deuteranopia

25.2366, 24.7323, 9.2380



## Tritanopia

41.2356, 24.8298, 10.0164

# Trichromacy



## Original Color

41.2356, 24.8298, 10.0164

## Protanomaly

27.3291, 22.7879, 13.5478

## Deuteranomaly

29.5435, 23.3687, 9.2568

## Tritanomaly

41.2356, 24.8298, 10.0164

# Monochromacy



## Original Color

41.2356, 24.8298, 10.0164

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

24.3802, 20.0545, 17.0539

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2356, 24.8298, 10.0164 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(244, 75, 79)` looks like.

```
.text, #text, p{  
    color:rgb(244, 75, 79)  
}
```

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(244, 75, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 75, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2356, 24.8298, 10.0164 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(244, 75, 79) }
```



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

```
.border{ border-color:rgb(244, 75, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 75, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 75, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 75, 79);  
box-shadow:4px 4px 4px 4px rgb(244, 75,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2356, 24.8298, 10.0164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 75, 79) }
```

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

```
.background{ background-color: rgb(244, 75,  
79) }
```

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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