

# Converting Colors

XYZ(41.7963, 27.4231, 13.9886)

Have a look what the booklet for  
XYZ(41.7963, 27.4231, 13.9886)  
contains.

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# Color

**XYZ(41.7544, 27.3614,  
13.9070)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EF5F5F
RGB	239, 95, 95
RGB Percent	94%, 37%, 37%
CMY	0.0627, 0.6274, 0.6274
CMYK	0.00, 0.60, 0.60, 0.06
HSL	0°, 82%, 65%
HSV	0°, 60%, 94%
XYZ	41.7544, 27.3614, 13.9070
YIQ	138.0560, 85.8240, 30.5280

# Conversions

## Conversions Part 2

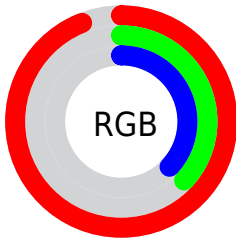
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 95, 95
Decimal	15687519
CIE Lab	59.31, 55.49, 29.12
CIE LCh	59, 62.669, 27.687
Yxy	27.3614, 0.5029, 0.3296
Android (android.graphics.Color)	4293877599 (0xFFEF5F5F)
YUV	138.0560, -21.2266, 88.5279
Hunter-Lab	52.3081, 50.9465, 20.8524

# Details

The XYZ color **41.7544, 27.3614, 13.9070** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **51.1632, 70.3927, 92.5516**, and the grayscale version is **24.2355, 25.4976, 27.7669**.

A 20% lighter version of the original color is **57.4949, 45.4685, 32.9401**, and **19.3167, 10.8306, 3.9781** is the 20% darker color. If you saturate the color by 10%, you get **38.9973, 23.3274, 8.4254**, and if you desaturate by 10%, it is **45.5061, 32.8518, 21.3641**.

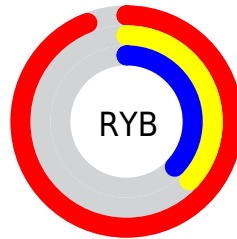
# Distribution



Red (94%)

Green (37%)

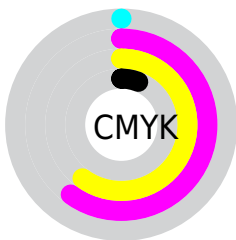
Blue (37%)



Red (94%)

Yellow (37%)

Blue (37%)

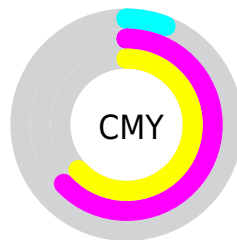


Cyan (0%)

Magenta (60%)

Yellow (60%)

Black (6%)



Cyan (6%)

Magenta (63%)


Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7544, 27.3614, 13.9070 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 41.7544, 27.3614, 13.9070 by changing the saturation by 10% instead.





 41.7544, 27.3614,  
13.9070


 41.7544, 27.3614,  
13.9070


344.4728,  
289.4027, 228.0598


 29.0993, 17.8448,  
7.9180


 77.0953, 55.4633,  
33.6387

 19.3006, 10.8386,  
3.9555


 100.5118, 74.8173,  
48.2184

 11.9930, 5.9584,  
1.6010


 128.2461, 98.2194,  
66.4988

 6.8111, 2.8198,  
0.2915

 160.6636,  
126.0538, 88.8985

 3.3895, 1.0384,  
0.0000

198.1297,  
158.7049, 115.8358

 1.3629, 0.0000,  
0.0000

241.0097,

 0.2296, 0.0000,

196.5572, 147.7295

0.0000

289.6689,  
239.9950, 184.9979

■ 0.0000, 0.0000,  
0.0000

■ 41.7544, 27.3614,  
13.9070

■ 41.7544, 27.3614,  
13.9070

■ 38.9973, 23.3274,  
8.4254

■ 45.5061, 32.8518,  
21.3641

■ 37.1386, 20.6075,  
4.7308

■ 50.3327, 39.9145,  
30.9589

■ 36.0668, 19.0390,  
2.6005

■ 56.3085, 48.6590,  
42.8385

■ 35.5966, 18.3509,  
1.6659

■ 63.5009, 59.1834,  
57.1367

■ 71.9718, 71.5788,  
73.9767

■ 81.7792, 85.9297,  
93.4735

■ 89.4064, 97.0906,  
108.6359

# Harmonies

## Analogous

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



44.1467, 27.3614, 31.5669



41.7544, 27.3614, 13.9070



34.9174, 27.3614, 6.1835

# Triad

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



41.7544, 27.3614, 13.9070



15.2402, 27.3614, 12.1704



25.4031, 27.3614, 97.0247

# Complementary

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



41.7544, 27.3614, 13.9070



51.1632, 70.3927, 92.5516

# 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.



18.7569, 27.3614, 83.1445



41.7544, 27.3614, 13.9070



13.6724, 27.3614, 28.0848

# Square

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



41.7544, 27.3614, 13.9070



19.6164, 27.3614, 5.5931



14.8185, 27.3614, 54.6673



33.6516, 27.3614, 86.6431



# Rectangle

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



41.7544, 27.3614, 13.9070



29.3523, 27.3614, 4.3962



14.8185, 27.3614, 54.6673



22.9245, 27.3614, 94.9369

# Sweetspot

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



41.7551, 27.3629, 13.9075



75.5867, 71.5197, 70.2074



55.2686, 32.7671, 85.0727



15.6055, 14.4695, 13.8879



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.



41.7551, 27.3629, 13.9075



44.6697, 26.2790, 8.7468



51.4808, 46.8143, 17.1494



15.7729, 15.7590, 16.3602



19.6716, 10.1412, 0.9206



1.6365, 0.8437, 0.0766



# Inverse Universe

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



51.1632, 70.3927, 92.5516



56.4345, 80.0879, 107.0918



34.1180, 36.3024, 86.8698



16.2474, 17.9288, 20.3259



25.6651, 37.5545, 51.0239



2.1351, 3.1242, 4.2447



# Previews

## White Background



This preview shows how the XYZ color 41.7544, 27.3614, 13.9070 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 41.7544, 27.3614, 13.9070 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 41.7544, 27.3614, 13.9070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7544, 27.3614, 13.9070.



This preview shows how white text looks on a background with the XYZ color 41.7544, 27.3614,

13.9070.

# 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

41.7544, 27.3614, 13.9070

### Protanopia

25.8659, 27.5581, 20.1756

### Deuteranopia

27.9407, 27.4801, 13.0641



## Tritanopia

41.8996, 27.2762, 15.1131

# Trichromacy



## Original Color

41.7544, 27.3614, 13.9070

## Protanomaly

29.9348, 26.1948, 17.6657

## Deuteranomaly

31.8738, 26.5447, 13.3412

## Tritanomaly

41.8039, 27.2380, 14.6094

# Monochromacy



## Original Color

41.7544, 27.3614, 13.9070

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

28.1516, 24.4382, 21.6456

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7544, 27.3614, 13.9070 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(239, 95, 95)` looks like.

```
.text, #text, p{  
    color:rgb(239, 95, 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(239, 95, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 95, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7544, 27.3614, 13.9070 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(239, 95, 95) }
```



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

```
.border{ border-color:rgb(239, 95, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 95, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 95, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 95, 95);  
box-shadow:4px 4px 4px 4px rgb(239, 95,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7544, 27.3614, 13.9070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 95, 95) }
```

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

```
.background{ background-color: rgb(239, 95,  
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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