

# Converting Colors

XYZ(39.3348, 24.4941, 11.9881)

Have a look what the booklet for  
XYZ(39.3348, 24.4941, 11.9881)  
contains.

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# Color

**XYZ(39.2960, 24.4223,  
11.8754)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EC5158
RGB	236, 81, 88
RGB Percent	93%, 32%, 35%
CMY	0.0745, 0.6823, 0.6549
CMYK	0.00, 0.66, 0.63, 0.07
HSL	357°, 80%, 62%
HSV	357°, 66%, 93%
XYZ	39.2960, 24.4223, 11.8754
YIQ	128.1430, 90.1330, 35.0370

# Conversions

## Conversions Part 2

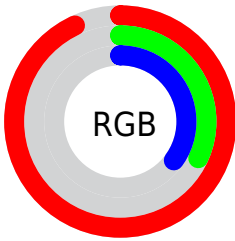
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	236, 81, 88
Decimal	15487320
CIE <sub>Lab</sub>	56.51, 59.95, 29.46
CIE <sub>LCh</sub>	57, 66.795, 26.169
Yxy	24.4223, 0.5198, 0.3231
Android (android.graphics.Color)	4293677400 (0xFFEC5158)
YUV	128.1430, -19.7905, 94.5906
Hunter-Lab	49.4189, 55.4531, 20.3458

# Details

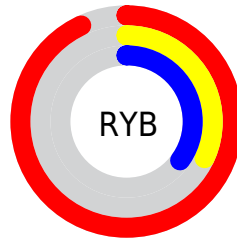
The XYZ color **39.2960, 24.4223, 11.8754** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **47.5335, 67.3981, 84.6388**, and the grayscale version is **20.6133, 21.6868, 23.6169**.

A 20% lighter version of the original color is **54.9159, 41.2719, 29.1166**, and **17.7565, 9.2323, 3.1316** is the 20% darker color. If you saturate the color by 10%, you get **37.0431, 21.1868, 7.2091**, and if you desaturate by 10%, it is **42.4476, 28.9941, 18.2646**.

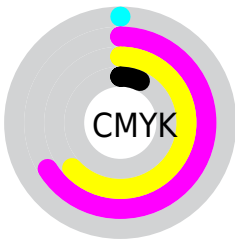
# Distribution



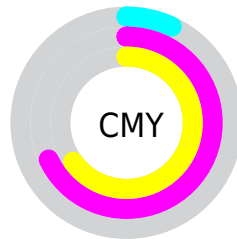
- Red (93%)
- Green (32%)
- Blue (35%)



- Red (93%)
- Yellow (32%)
- Blue (35%)



- Cyan (0%)
- Magenta (66%)
- Yellow (63%)
- Black (7%)




- Cyan (7%)
- Magenta (68%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.2960, 24.4223, 11.8754 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 39.2960, 24.4223, 11.8754 by changing the saturation by 10% instead.





 39.2960, 24.4223,  
11.8754


 39.2960, 24.4223,  
11.8754


334.3329,  
274.9486, 214.5272


 27.1718, 15.6472,  
6.5374


 73.3815, 50.7185,  
29.9290

 17.8396, 9.2748,  
3.1005


 96.0735, 69.0083,  
43.4816


 10.9339, 4.9209,  
1.1462


 123.0188, 91.2385,  
60.6095

 6.0893, 2.2009,  
0.0000

 154.5828,  
117.7934, 81.7312

 2.9407, 0.7205,  
0.0000

 191.1309,  
149.0575, 107.2653

 1.1225, 0.0000,  
0.0000

233.0283,

 0.0438, 0.0000,

185.4151, 137.6303

0.0000

280.6405,  
227.2507, 173.2448

■ 0.0000, 0.0000,  
0.0000

■ 39.2960, 24.4223,  
11.8754

■ 39.2960, 24.4223,  
11.8754

■ 37.0431, 21.1868,  
7.2091

■ 42.4476, 28.9941,  
18.2646

■ 35.5933, 19.1399,  
4.0972

■ 46.5771, 35.0213,  
26.5212


■ 34.8326, 18.1064,  
2.3394


■ 51.7568, 42.6145,  
36.7759


■ 34.6503, 17.8561,  
1.9263

■ 58.0520, 51.8725,  
49.1473

■ 65.5223, 62.8859,  
63.7448

 74.2235, 75.7389,  
80.6701

 84.2075, 90.5102,  
100.0188

 88.4019, 96.5728,  
108.5889

# Harmonies

## Analogous

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



41.4540, 24.4223, 29.5425



39.2960, 24.4223, 11.8754



32.5237, 24.4223, 4.5747

# Triad

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



39.2960, 24.4223, 11.8754



12.9146, 24.4223, 9.2203



22.2324, 24.4223, 95.8210

# Complementary

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



39.2960, 24.4223, 11.8754



47.5335, 67.3981, 84.6388

# 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.



15.8735, 24.4223, 80.0380



39.2960, 24.4223, 11.8754



11.3045, 24.4223, 23.8443

# Square

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



39.2960, 24.4223, 11.8754



17.2482, 24.4223, 3.7492



12.2536, 24.4223, 50.1670



30.4144, 24.4223, 86.1228



# Rectangle

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



39.2960, 24.4223, 11.8754



26.9555, 24.4223, 2.9629



12.2536, 24.4223, 50.1670



19.8334, 24.4223, 93.1650

# Sweetspot

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



39.2966, 24.4237, 11.8758



74.0100, 68.9166, 67.9856



50.1577, 28.4773, 82.2096



15.3104, 13.9686, 13.5140



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.



39.2966, 24.4237, 11.8758



43.4254, 24.2115, 7.0341



47.1047, 40.4815, 13.1175



15.0930, 15.0651, 15.7751



19.1125, 9.8477, 1.1280



1.5105, 0.7772, 0.1398



# Inverse Universe

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



39.2966, 24.4237, 11.8758



43.4254, 24.2115, 7.0341



32.2169, 35.1708, 84.4472



15.0930, 15.0651, 15.7751



19.1125, 9.8477, 1.1280



1.5105, 0.7772, 0.1398



# Previews

## White Background



This preview shows how the XYZ color 39.2960, 24.4223, 11.8754 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 39.2960, 24.4223, 11.8754 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 39.2960, 24.4223, 11.8754**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.2960, 24.4223, 11.8754.



This preview shows how white text looks on a background with the XYZ color 39.2960, 24.4223,



# 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

39.2960, 24.4223, 11.8754

### Protanopia

23.1750, 24.6853, 18.5822

### Deuteranopia

24.9476, 24.5438, 11.0120



## Tritanopia

39.2142, 24.3896, 11.4449

# Trichromacy



## Original Color

39.2960, 24.4223, 11.8754

## Protanomaly

26.8250, 22.8172, 15.8223

## Deuteranomaly

28.8414, 23.2892, 11.1588

## Tritanomaly

39.2548, 24.4058, 11.6587

# Monochromacy



## Original Color

39.2960, 24.4223, 11.8754

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

24.6014, 20.7766, 18.3364

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.2960, 24.4223, 11.8754 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(236, 81, 88)` looks like.

```
.text, #text, p{  
    color:rgb(236, 81, 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(236, 81, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 81, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 39.2960, 24.4223, 11.8754 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(236, 81, 88) }
```



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

```
.border{ border-color:rgb(236, 81, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 81, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 81, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 81, 88);  
box-shadow:4px 4px 4px 4px rgb(236, 81,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.2960, 24.4223, 11.8754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 81, 88) }
```

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

```
.background{ background-color: rgb(236, 81,  
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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