

# Converting Colors

XYZ(39.5468, 25.3848, 16.3627)

Have a look what the booklet for  
XYZ(39.5468, 25.3848, 16.3627)  
contains.

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# Color

**XYZ(39.4526, 25.3412,  
16.4476)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8596A
RGB	232, 89, 106
RGB Percent	91%, 35%, 42%
CMY	0.0902, 0.6509, 0.5843
CMYK	0.00, 0.62, 0.54, 0.09
HSL	353°, 76%, 63%
HSV	353°, 62%, 91%
XYZ	39.4526, 25.3412, 16.4476
YIQ	133.6950, 79.7710, 35.6030

# Conversions

## Conversions Part 2

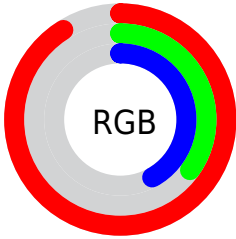
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 89, 106
Decimal	15227242
CIE Lab	57.41, 56.57, 20.05
CIE LCh	57, 60.018, 19.513
Yxy	25.3412, 0.4856, 0.3119
Android (android.graphics.Color)	4293417322 (0xFFE8596A)
YUV	133.6950, -13.6536, 86.2135
Hunter-Lab	50.3400, 51.7993, 15.8662

# Details

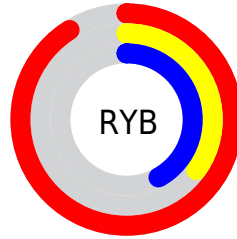
The XYZ color **39.4526, 25.3412, 16.4476** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **45.2439, 64.7439, 74.4075**, and the grayscale version is **22.5772, 23.7530, 25.8670**.

A 20% lighter version of the original color is **57.4512, 43.9451, 37.3525**, and **17.9993, 9.8042, 5.0814** is the 20% darker color. If you saturate the color by 10%, you get **36.8776, 21.6947, 10.9547**, and if you desaturate by 10%, it is **42.8904, 30.3081, 23.4786**.

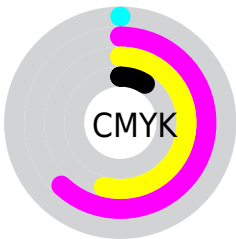
# Distribution



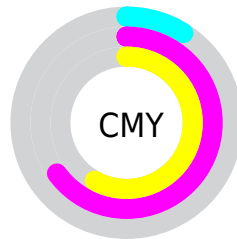
- Red (91%)
- Green (35%)
- Blue (42%)



- Red (91%)
- Yellow (35%)
- Blue (42%)



- Cyan (0%)
- Magenta (62%)
- Yellow (54%)
- Black (9%)




- Cyan (9%)
- Magenta (65%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4526, 25.3412, 16.4476 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 39.4526, 25.3412, 16.4476 by changing the saturation by 10% instead.





 39.4526, 25.3412,  
16.4476


 39.4526, 25.3412,  
16.4476

334.9851,  
279.5329, 243.9038


 27.2943, 16.3314,  
9.6837


 73.6189, 52.2102,  
38.1511

 17.9321, 9.7590,  
5.0869


 96.3576, 70.8383,  
53.9277

 11.0007, 5.2395,  
2.2387


 123.3538, 93.4412,  
73.5456

 6.1346, 2.3884,  
0.6966

 154.9729,  
120.4034, 97.4234

 2.9685, 0.8199,  
0.0000

191.5802,  
152.1093, 125.9796

 1.1371, 0.0000,  
0.0000

233.5411,

 0.0558, 0.0000,

188.9432, 159.6327

0.0000

281.2209,  
231.2896, 198.8013

■ 0.0000, 0.0000,  
0.0000

■ 39.4526, 25.3412,  
16.4476

■ 39.4526, 25.3412,  
16.4476

■ 36.8776, 21.6947,  
10.9547

■ 42.8904, 30.3081,  
23.4786

■ 35.0857, 19.2382,  
6.8825

■ 47.2573, 36.7010,  
32.1505

■ 33.9858, 17.8224,  
4.0984

■ 52.6151, 44.6199,  
42.5587

■ 33.4830, 17.2375,  
2.6342

■ 59.0200, 54.1544,  
54.7909

■ 66.5237, 65.3873,  
68.9288

■ 75.1747, 78.3956,  
85.0492

■ 85.0184, 93.2516,  
103.2246

■ 87.0885, 95.8957,  
108.5274

# Harmonies

## Analogous

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



40.2335, 25.3412, 35.3710



39.4526, 25.3412, 16.4476



34.1261, 25.3412, 7.2105

# Triad

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



39.4526, 25.3412, 16.4476



15.0932, 25.3412, 9.1476



21.6766, 25.3412, 86.9862

# Complementary

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



39.4526, 25.3412, 16.4476



45.2439, 64.7439, 74.4075

# 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.



16.2379, 25.3412, 69.5094



39.4526, 25.3412, 16.4476



12.9661, 25.3412, 21.0468

# Square

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



39.4526, 25.3412, 16.4476



19.7917, 25.3412, 4.6668



13.3391, 25.3412, 42.8908



28.9606, 25.3412, 83.5934



# Rectangle

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



39.4526, 25.3412, 16.4476



29.2086, 25.3412, 4.7369



13.3391, 25.3412, 42.8908



19.6004, 25.3412, 83.1169

# Sweetspot

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



39.4532, 25.3426, 16.4480



76.2735, 71.7934, 73.8276



45.5600, 27.1087, 79.1748



15.7690, 14.5346, 14.7493



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.



39.4532, 25.3426, 16.4480



44.9974, 25.9082, 12.0195



44.6718, 37.0566, 14.2514



14.4463, 14.3957, 15.2847



18.6124, 9.5792, 1.5878



1.3984, 0.7171, 0.2387



# Inverse Universe

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



39.4532, 25.3426, 16.4480



44.9974, 25.9082, 12.0195



34.9206, 40.4195, 82.3048



14.4463, 14.3957, 15.2847



18.6124, 9.5792, 1.5878



1.3984, 0.7171, 0.2387



# Previews

## White Background



This preview shows how the XYZ color 39.4526, 25.3412, 16.4476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

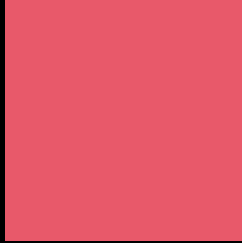
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4526, 25.3412, 16.4476 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 39.4526, 25.3412, 16.4476**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4526, 25.3412, 16.4476.



This preview shows how white text looks on a background with the XYZ color 39.4526, 25.3412,



# 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

39.4526, 25.3412, 16.4476

### Protanopia

24.3786, 25.6016, 24.4256

### Deuteranopia

25.8132, 25.2959, 15.3265



## Tritanopia

38.8074, 25.3156, 13.9074

# Trichromacy



## Original Color

39.4526, 25.3412, 16.4476

## Protanomaly

27.8469, 23.9274, 21.2399

## Deuteranomaly

29.6299, 24.2689, 15.6931

## Tritanomaly

38.9114, 25.2214, 14.8739

# Monochromacy



## Original Color

39.4526, 25.3412, 16.4476

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

26.6941, 22.9582, 22.0932

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4526, 25.3412, 16.4476 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(232, 89, 106)` looks like.

```
.text, #text, p{  
    color:rgb(232, 89, 106)  
}
```

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(232, 89, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 89, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4526, 25.3412, 16.4476 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(232, 89, 106) }
```



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

```
.border{ border-color:rgb(232, 89, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 89, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 89, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 89, 106);  
box-shadow:4px 4px 4px 4px rgb(232, 89,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4526, 25.3412, 16.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 89, 106) }
```

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

```
.background{ background-color: rgb(232, 89,  
106) }
```

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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