

# Converting Colors

XYZ(43.2596, 27.1753, 19.9262)

Have a look what the booklet for  
XYZ(43.2596, 27.1753, 19.9262)  
contains.

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# Color

**XYZ(43.4012, 27.3064,  
19.8128)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F25975
RGB	242, 89, 117
RGB Percent	95%, 35%, 46%
CMY	0.0510, 0.6509, 0.5412
CMYK	0.00, 0.63, 0.52, 0.05
HSL	349°, 85%, 65%
HSV	349°, 63%, 95%
XYZ	43.4012, 27.3064, 19.8128
YIQ	137.9390, 82.2000, 41.1440

# Conversions

## Conversions Part 2

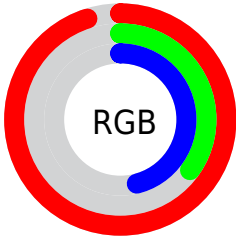
Format	Color
R <sub>Y</sub> B	242, 89, 117
Decimal	15882613
CIE Lab	59.26, 60.64, 16.42
CIE LCh	59, 62.827, 15.150
Yxy	27.3064, 0.4795, 0.3017
Android (android.graphics.Color)	4294072693 (0xFFFF25975)
YUV	137.9390, -10.3229, 91.2615
Hunter-Lab	52.2555, 56.8073, 14.0989

# Details

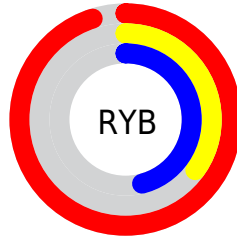
The XYZ color **43.4012, 27.3064, 19.8128** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **48.0114, 70.4838, 74.6983**, and the grayscale version is **24.1517, 25.4095, 27.6709**.

A 20% lighter version of the original color is **58.6803, 44.6823, 43.0679**, and **20.2232, 10.7862, 6.6463** is the 20% darker color. If you saturate the color by 10%, you get **40.6655, 23.5033, 13.7584**, and if you desaturate by 10%, it is **47.0454, 32.5339, 27.3817**.

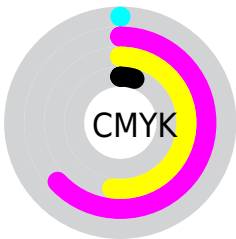
# Distribution



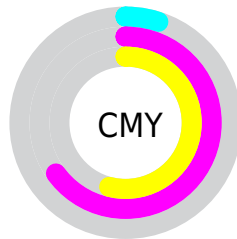
- Red (95%)
- Green (35%)
- Blue (46%)



- Red (95%)
- Yellow (35%)
- Blue (46%)



- Cyan (0%)
- Magenta (63%)
- Yellow (52%)
- Black (5%)



- Cyan (5%)
- Magenta (65%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4012, 27.3064, 19.8128 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 43.4012, 27.3064, 19.8128 by changing the saturation by 10% instead.




 43.4012, 27.3064,  
19.8128


 43.4012, 27.3064,  
19.8128


351.1527,  
289.1376, 263.4705


 30.3959, 17.8035,  
12.0763


 79.5679, 55.3752,  
43.9579


 20.2889, 10.8090,  
6.6725


 103.4600, 74.7098,  
61.2037

 12.7147, 5.9385,  
3.1828


 131.7117, 98.0904,  
82.4563

 7.3080, 2.8077,  
1.1887

 164.6885,  
125.9014, 108.1342

 3.7035, 1.0322,  
0.0000

202.7556,  
158.5273, 138.6561

 1.5358, 0.0000,  
0.0000

246.2785,

 0.3500, 0.0000,

196.3523, 174.4404

0.0000

295.6224,  
239.7610, 215.9057

■ 0.0000, 0.0000,  
0.0000

■ 43.4012, 27.3064,  
19.8128

■ 43.4012, 27.3064,  
19.8128

■ 40.6655, 23.5033,  
13.7584

■ 47.0454, 32.5339,  
27.3817

■ 38.7530, 20.9785,  
9.1126

■ 51.6688, 39.3040,  
36.5583


■ 37.5649, 19.5623,  
5.7569


■ 57.3374, 47.7277,  
47.4297

■ 37.0776, 19.0611,  
4.1351

■ 64.1106, 57.9044,  
60.0760

■ 72.0436, 69.9258,  
74.5724

 81.1876, 83.8771,  
90.9898

 90.4278, 97.6172,  
108.6837

# Harmonies

## Analogous

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



43.4300, 27.3064, 42.2316



43.4012, 27.3064, 19.8128



38.1084, 27.3064, 8.4210

# Triad

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



43.4012, 27.3064, 19.8128



16.6634, 27.3064, 8.4901



22.2776, 27.3064, 94.0661

# Complementary

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



43.4012, 27.3064, 19.8128



48.0114, 70.4838, 74.6983

# 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.



16.7050, 27.3064, 72.0651



43.4012, 27.3064, 19.8128



13.9358, 27.3064, 19.9798

# Square

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



43.4012, 27.3064, 19.8128



22.2088, 27.3064, 4.4924



13.9493, 27.3064, 42.5080



30.0980, 27.3064, 93.9401



# Rectangle

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



43.4012, 27.3064, 19.8128



32.8213, 27.3064, 5.2389



13.9493, 27.3064, 42.5080



20.1182, 27.3064, 88.6637

# Sweetspot

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



43.4019, 27.3079, 19.8133



75.7630, 70.5955, 74.2027



47.3175, 27.8460, 86.8849



15.6865, 14.3088, 14.9097



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.



43.4019, 27.3079, 19.8133



45.0612, 25.4756, 13.7680



47.4320, 37.6200, 14.2148



15.8909, 15.8061, 16.9817



19.9543, 10.2542, 2.4102



1.6927, 0.8661, 0.3727



# Inverse Universe

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



43.4019, 27.3079, 19.8133



45.0612, 25.4756, 13.7680



39.3401, 46.9199, 90.9870



15.8909, 15.8061, 16.9817



19.9543, 10.2542, 2.4102



1.6927, 0.8661, 0.3727



# Previews

## White Background



This preview shows how the XYZ color 43.4012, 27.3064, 19.8128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

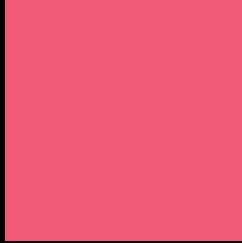
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4012, 27.3064, 19.8128 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 43.4012, 27.3064, 19.8128**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4012, 27.3064, 19.8128.



This preview shows how white text looks on a background with the XYZ color 43.4012, 27.3064,



# 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

43.4012, 27.3064, 19.8128

### Protanopia

26.3841, 27.3794, 30.2797

### Deuteranopia

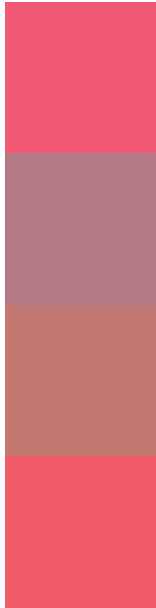
27.9086, 27.3419, 18.5584



## Tritanopia

42.3074, 27.2369, 14.5827

# Trichromacy



## Original Color

43.4012, 27.3064, 19.8128

## Protanomaly

30.2084, 25.5904, 25.9015

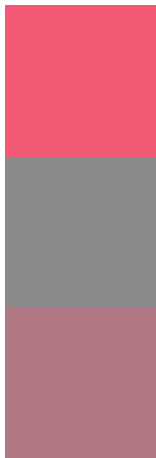
## Deuteranomaly

32.2028, 26.2273, 18.9879

## Tritanomaly

42.5665, 27.2029, 16.3718

# Monochromacy



## Original Color

43.4012, 27.3064, 19.8128

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

28.6502, 24.2748, 24.2946

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4012, 27.3064, 19.8128 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(242, 89, 117)` looks like.

```
.text, #text, p{  
    color:rgb(242, 89, 117)  
}
```

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(242, 89, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 89, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4012, 27.3064, 19.8128 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(242, 89, 117) }
```



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

```
.border{ border-color:rgb(242, 89, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 89, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 89, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 89, 117); box-shadow:4px 4px 4px 4px rgb(242, 89, 117) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4012, 27.3064, 19.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 89, 117) }
```

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

```
.background{ background-color: rgb(242, 89,  
117) }
```

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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