

# Converting Colors

XYZ(43.9616, 27.5798, 20.0548)

Have a look what the booklet for  
XYZ(43.9616, 27.5798, 20.0548)  
contains.

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# Color

**XYZ(44.1506, 27.6859,  
20.1565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F45976
RGB	244, 89, 118
RGB Percent	96%, 35%, 46%
CMY	0.0431, 0.6509, 0.5373
CMYK	0.00, 0.64, 0.52, 0.04
HSL	349°, 88%, 65%
HSV	349°, 64%, 96%
XYZ	44.1506, 27.6859, 20.1565
YIQ	138.6510, 83.0710, 41.8790

# Conversions

## Conversions Part 2

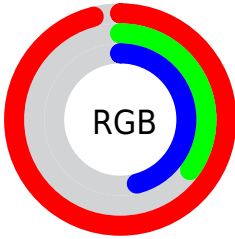
Format	Color
R <sub>Y</sub> B	244, 89, 118
Decimal	16013686
CIE Lab	59.60, 61.35, 16.37
CIE LCh	60, 63.497, 14.937
Yxy	27.6859, 0.4799, 0.3010
Android (android.graphics.Color)	4294203766 (0xFFFF45976)
YUV	138.6510, -10.1809, 92.3911
Hunter-Lab	52.6174, 57.6967, 14.1196

# Details

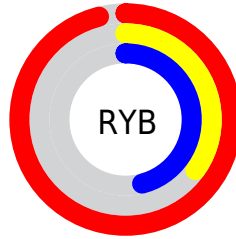
The XYZ color **44.1506, 27.6859, 20.1565** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **48.7381, 71.7321, 75.5727**, and the grayscale version is **24.4234, 25.6953, 27.9822**.

A 20% lighter version of the original color is **58.7746, 44.7200, 43.5643**, and **20.7033, 11.0001, 6.8264** is the 20% darker color. If you saturate the color by 10%, you get **41.3884, 23.8539, 14.0190**, and if you desaturate by 10%, it is **47.8346, 32.9652, 27.8246**.

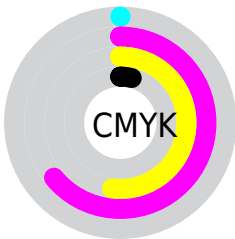
# Distribution



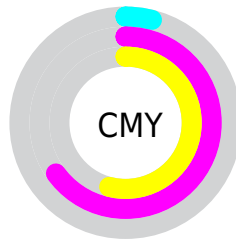
- Red (96%)
- Green (35%)
- Blue (46%)



- Red (96%)
- Yellow (35%)
- Blue (46%)



- Cyan (0%)
- Magenta (64%)
- Yellow (52%)
- Black (4%)




- Cyan (4%)
- Magenta (65%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.1506, 27.6859, 20.1565 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 44.1506, 27.6859, 20.1565 by changing the saturation by 10% instead.





 44.1506, 27.6859,  
20.1565

 44.1506, 27.6859,  
20.1565


354.1643,  
290.9630, 265.3933


 30.9873, 18.0890,  
12.3237


 80.6893, 55.9826,  
44.5418


 20.7410, 11.0139,  
6.8393


 104.7954, 75.4512,  
61.9314

 13.0462, 6.0762,  
3.2849


 133.2798, 98.9791,  
83.3436

 7.5376, 2.8915,  
1.2419

 166.5079,  
126.9508, 109.1970

 3.8498, 1.0753,  
0.0134

204.8451,  
159.7506, 139.9101

 1.6175, 0.0000,  
0.0000

248.6566,

 0.4038, 0.0000,

197.7630, 175.9015

0.0000

298.3079,  
241.3723, 217.5897

■ 0.0000, 0.0000,  
0.0000

■ 44.1506, 27.6859,  
20.1565

■ 44.1506, 27.6859,  
20.1565

■ 41.3884, 23.8539,  
14.0190

■ 47.8346, 32.9652,  
27.8246

■ 39.4609, 21.3196,  
9.3050

■ 52.5127, 39.8128,  
37.1171

■ 38.2668, 19.9085,  
5.8949

■ 58.2520, 48.3423,  
48.1220

■ 37.7941, 19.4274,  
4.3056

■ 65.1132, 58.6553,  
60.9203

■ 73.1526, 70.8455,  
75.5877

■ 82.4222, 84.9999,  
92.1958

■ 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.



44.1382, 27.6859, 43.1046



44.1506, 27.6859, 20.1565



38.7744, 27.6859, 8.5075

# Triad

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



44.1506, 27.6859, 20.1565



16.8766, 27.6859, 8.4779



22.5160, 27.6859, 95.8319

# Complementary

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



44.1506, 27.6859, 20.1565



48.7381, 71.7321, 75.5727

# 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.



16.8587, 27.6859, 73.1947



44.1506, 27.6859, 20.1565



14.0805, 27.6859, 20.0846

# Square

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



44.1506, 27.6859, 20.1565



22.5457, 27.6859, 4.4711



14.0747, 27.6859, 42.9853



30.4818, 27.6859, 95.8864



# Rectangle

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



44.1506, 27.6859, 20.1565



33.3834, 27.6859, 5.2585



14.0747, 27.6859, 42.9853



20.3215, 27.6859, 90.2485

# Sweetspot

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



44.1513, 27.6874, 20.1570



75.7886, 70.6058, 74.3372



47.3433, 27.8244, 88.4629



15.6926, 14.3113, 14.9417



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.



44.1513, 27.6874, 20.1570



45.0982, 25.4904, 13.9629



47.8465, 37.4241, 14.1552



16.6257, 16.5331, 17.7757



20.5869, 10.5782, 2.5328



1.8432, 0.9432, 0.4006



# Inverse Universe

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



44.1513, 27.6874, 20.1570



45.0982, 25.4904, 13.9629



40.5304, 48.8171, 92.8740



16.6257, 16.5331, 17.7757



20.5869, 10.5782, 2.5328



1.8432, 0.9432, 0.4006



# Previews

## White Background



This preview shows how the XYZ color 44.1506, 27.6859, 20.1565 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 44.1506, 27.6859, 20.1565 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 44.1506, 27.6859, 20.1565**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.1506, 27.6859, 20.1565.



This preview shows how white text looks on a background with the XYZ color 44.1506, 27.6859,



# 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

44.1506, 27.6859, 20.1565

### Protanopia

26.8648, 27.8312, 31.1502

### Deuteranopia

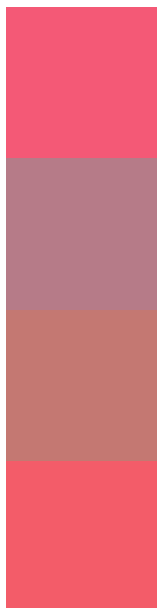
28.3199, 27.7597, 18.9045



## Tritanopia

43.0811, 27.7652, 14.6439

# Trichromacy



## Original Color

44.1506, 27.6859, 20.1565

## Protanomaly

30.8183, 25.8886, 26.6652

## Deuteranomaly

32.5187, 26.3836, 19.2982

## Tritanomaly

43.3391, 27.7289, 16.4326

# Monochromacy



## Original Color

44.1506, 27.6859, 20.1565

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

29.0656, 24.6605, 24.7008

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.1506, 27.6859, 20.1565 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, 89, 118)` looks like.

```
.text, #text, p{  
    color:rgb(244, 89, 118)  
}
```

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, 89, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 89, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 44.1506, 27.6859, 20.1565 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, 89, 118) }
```



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

```
.border{ border-color:rgb(244, 89, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 89, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 89, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 89, 118);  
box-shadow:4px 4px 4px 4px rgb(244, 89,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.1506, 27.6859, 20.1565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 89, 118) }
```

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

```
.background{ background-color: rgb(244, 89,  
118) }
```

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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