

# Converting Colors

XYZ(44.9294, 30.6745, 20.9758)

Have a look what the booklet for  
XYZ(44.9294, 30.6745, 20.9758)  
contains.

<b>XYZ(44.9680, 30.7578, 21.0195)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(44.9680, 30.7578,  
21.0195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F16C77
RGB	241, 108, 119
RGB Percent	95%, 42%, 47%
CMY	0.0549, 0.5764, 0.5333
CMYK	0.00, 0.55, 0.51, 0.05
HSL	355°, 83%, 68%
HSV	355°, 55%, 95%
XYZ	44.9680, 30.7578, 21.0195
YIQ	149.0210, 75.7370, 31.6170

# Conversions

## Conversions Part 2

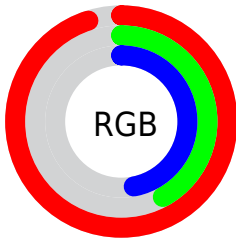
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 108, 119
Decimal	15821943
CIE Lab	62.30, 52.09, 19.42
CIE LCh	62, 55.595, 20.440
Yxy	30.7578, 0.4648, 0.3179
Android (android.graphics.Color)	4294012023 (0xFFFF16C77)
YUV	149.0210, -14.8004, 80.6656
Hunter-Lab	55.4597, 47.6774, 16.3506

# Details

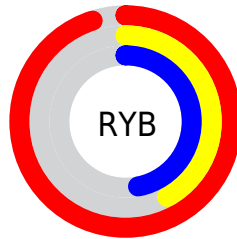
The XYZ color **44.9680, 30.7578, 21.0195** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **51.9244, 71.8127, 85.9926**, and the grayscale version is **28.6149, 30.1051, 32.7845**.

A 20% lighter version of the original color is **61.6879, 50.3947, 45.0039**, and **21.2328, 12.7044, 7.2943** is the 20% darker color. If you saturate the color by 10%, you get **41.5914, 25.8882, 14.0879**, and if you desaturate by 10%, it is **49.3573, 37.1589, 29.8127**.

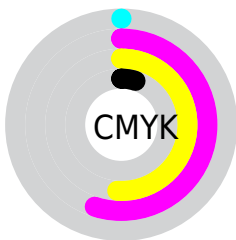
# Distribution



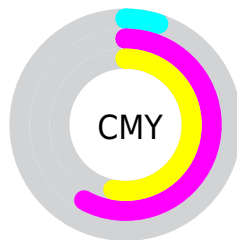
- Red (95%)
- Green (42%)
- Blue (47%)



- Red (95%)
- Yellow (42%)
- Blue (47%)



- Cyan (0%)
- Magenta (55%)
- Yellow (51%)
- Black (5%)



- Cyan (5%)
- Magenta (58%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9680, 30.7578, 21.0195 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 44.9680, 30.7578, 21.0195 by changing the saturation by 10% instead.



44.9680, 30.7578,  
21.0195

44.9680, 30.7578,  
21.0195

357.4298,  
305.4210, 270.1666

31.6334, 20.4145,  
12.9469

81.9098, 60.8585,  
46.0012

21.2358, 12.6967,  
7.2617

106.2476, 81.3848,  
63.7474

13.4099, 7.2200,  
3.5454

134.9839,  
106.0741, 85.5551

7.7904, 3.6001,  
1.3794

168.4840,  
135.3109, 111.8430

4.0118, 1.4525,  
0.1256

207.1133,  
169.4796, 143.0295

1.7088, 0.2549,  
0.0000

251.2372,

0.4618, 0.0000,

208.9646, 179.5333

0.0000

301.2209,  
254.1502, 221.7728

■ 0.0000, 0.0000,  
0.0000

■ 44.9680, 30.7578,  
21.0195

■ 44.9680, 30.7578,  
21.0195

■ 41.5914, 25.8882,  
14.0879

■ 49.3573, 37.1589,  
29.8127

■ 39.1440, 22.4174,  
8.8819

■ 54.8292, 45.1996,  
40.5867

■ 37.5328, 20.1990,  
5.2499

■ 61.4503, 54.9842,  
53.4530

■ 36.6440, 19.0509,  
3.0126

■ 69.2809, 66.6068,  
68.5139

■ 36.4011, 18.7510,  
2.3589

■ 78.3773, 80.1547,  
85.8654

■ 88.7921, 95.7099,  
105.5975

■ 90.0856, 97.4407,  
108.6677

# Harmonies

## Analogous

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



45.9194, 30.7578, 40.8417



44.9680, 30.7578, 21.0195



39.4340, 30.7578, 10.6479

# Triad

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



44.9680, 30.7578, 21.0195



19.4513, 30.7578, 13.4466



26.9002, 30.7578, 93.0988

# Complementary

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



44.9680, 30.7578, 21.0195



51.9244, 71.8127, 85.9926

# 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.



20.9652, 30.7578, 76.5856



44.9680, 30.7578, 21.0195



17.1773, 30.7578, 27.0781

# Square

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



44.9680, 30.7578, 21.0195



24.4739, 30.7578, 7.7571



17.6795, 30.7578, 50.1164



34.5753, 30.7578, 89.1419



# Rectangle

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



44.9680, 30.7578, 21.0195



34.3425, 30.7578, 7.6753



17.6795, 30.7578, 50.1164



24.6597, 30.7578, 89.5603

# Sweetspot

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



44.9688, 30.7594, 21.0200



76.9918, 73.0905, 74.4972



53.8471, 33.8869, 86.9217



16.0826, 15.0549, 15.1837



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.



44.9688, 30.7594, 21.0200



46.9539, 28.9599, 15.3274



52.1549, 46.1278, 20.3442



15.8258, 15.7800, 16.6390



19.7590, 10.1760, 1.3813



1.6619, 0.8538, 0.2104



# Inverse Universe

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



44.9688, 30.7594, 21.0200



46.9539, 28.9599, 15.3274



39.5344, 44.4833, 89.7214



15.8258, 15.7800, 16.6390



19.7590, 10.1760, 1.3813



1.6619, 0.8538, 0.2104



# Previews

## White Background



This preview shows how the XYZ color 44.9680, 30.7578, 21.0195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

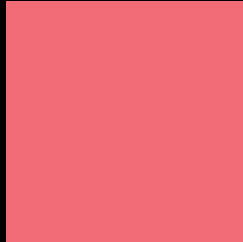
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9680, 30.7578, 21.0195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

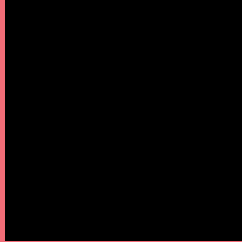
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 44.9680, 30.7578, 21.0195**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9680, 30.7578, 21.0195.



This preview shows how white text looks on a background with the XYZ color 44.9680, 30.7578,



# 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

44.9680, 30.7578, 21.0195

### Protanopia

29.3503, 30.7741, 29.2040

### Deuteranopia

31.4661, 30.9080, 19.9302



## Tritanopia

44.8967, 30.8990, 20.1208

# Trichromacy



## Original Color

44.9680, 30.7578, 21.0195

## Protanomaly

33.3223, 29.5587, 25.7789

## Deuteranomaly

35.4332, 30.1578, 20.1732

## Tritanomaly

44.9552, 30.9224, 20.4288

# Monochromacy



## Original Color

44.9680, 30.7578, 21.0195

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

32.4039, 28.8303, 27.9017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9680, 30.7578, 21.0195 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(241, 108, 119)` looks like.

```
.text, #text, p{  
    color:rgb(241, 108, 119)  
}
```

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(241, 108, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 108, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9680, 30.7578, 21.0195 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(241, 108, 119) }
```



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

```
.border{ border-color:rgb(241, 108, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 108, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 108, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 108, 119);  
box-shadow:4px 4px 4px 4px rgb(241, 108,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9680, 30.7578, 21.0195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 108, 119) }
```

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

```
.background{ background-color: rgb(241,  
108, 119) }
```

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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