

# Converting Colors

XYZ(46.5717, 28.5070, 17.7999)

Have a look what the booklet for  
XYZ(46.5717, 28.5070, 17.7999)  
contains.

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# Color

**XYZ(46.5710, 28.5054,  
17.7994)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FD556E
RGB	253, 85, 110
RGB Percent	99%, 33%, 43%
CMY	0.0078, 0.6666, 0.5686
CMYK	0.00, 0.66, 0.57, 0.01
HSL	351°, 98%, 66%
HSV	351°, 66%, 99%
XYZ	46.5710, 28.5054, 17.7994
YIQ	138.0820, 92.1030, 43.3910

# Conversions

## Conversions Part 2

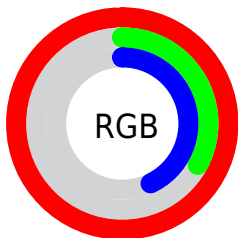
<b>Format</b>	<b>Color</b>
<b>RYB</b>	253, 85, 110
Decimal	16602478
CIELab	60.34, 65.12, 22.27
CIELCh	60, 68.820, 18.879
Yxy	28.5054, 0.5014, 0.3069
Android (android.graphics.Color)	4294792558 (0xFFFD556E)
YUV	138.0820, -13.8444, 100.7831
Hunter-Lab	53.3904, 62.2673, 17.6071

# Details

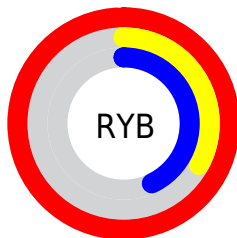
The XYZ color **46.5710, 28.5054, 17.7994** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **52.8773, 77.7840, 85.6324**, and the grayscale version is **24.2167, 25.4779, 27.7454**.

A 20% lighter version of the original color is **57.4955, 43.4781, 39.0800**, and **22.2084, 11.4580, 5.7437** is the 20% darker color. If you saturate the color by 10%, you get **43.8894, 24.7963, 11.8067**, and if you desaturate by 10%, it is **50.2506, 33.7548, 25.5309**.

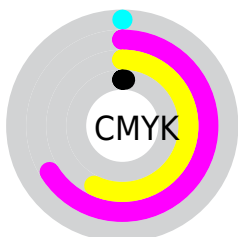
# Distribution



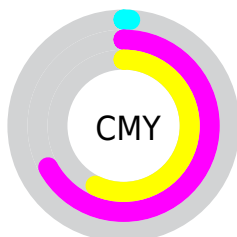
- Red (99%)
- Green (33%)
- Blue (43%)



- Red (99%)
- Yellow (33%)
- Blue (43%)



- Cyan (0%)
- Magenta (66%)
- Yellow (57%)
- Black (1%)




- Cyan (1%)
- Magenta (67%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5710, 28.5054, 17.7994 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 46.5710, 28.5054, 17.7994 by changing the saturation by 10% instead.





 46.5710, 28.5054,  
17.7994


 46.5710, 28.5054,  
17.7994

363.7771,  
294.8741, 251.9359

 32.9032, 18.7070,  
10.6381


 84.2956, 57.2903,  
40.5045


 22.2112, 11.4587,  
5.7130


 109.0830, 77.0456,  
56.8854

 14.1296, 6.3763,  
2.6054


 138.3077,  
100.8887, 77.1766

 8.2932, 3.0752,  
0.8952

 172.3349,  
129.2039, 101.7967

 4.3365, 1.1711,  
0.0000

211.5301,  
162.3756, 131.1641

 1.8942, 0.0379,  
0.0000

256.2587,

 0.5735, 0.0000,

200.7883, 165.6974

0.0000

306.8859,  
244.8263, 205.8152

■ 0.0000, 0.0000,  
0.0000

■ 46.5710, 28.5054,  
17.7994

■ 46.5710, 28.5054,  
17.7994

■ 43.8894, 24.7963,  
11.8067

■ 50.2506, 33.7548,  
25.5309

■ 42.1027, 22.4546,  
7.4140

■ 55.0131, 40.6837,  
35.1220


■ 41.0880, 21.2728,  
4.4629

■ 60.9366, 49.4208,  
46.6842

■ 40.8519, 21.0202,  
3.7073

■ 68.0915, 60.0812,  
60.3197

■ 76.5424, 72.7704,  
76.1237

 86.3494, 87.5860,  
94.1854

94.3179, 99.6226,  
108.8657

# Harmonies

## Analogous

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



47.4305, 28.5054, 41.4063



46.5710, 28.5054, 17.7994



39.8810, 28.5054, 6.9114

# Triad

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



46.5710, 28.5054, 17.7994



16.1993, 28.5054, 8.7678



23.9453, 28.5054, 107.5061

# Complementary

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



46.5710, 28.5054, 17.7994



52.8773, 77.7840, 85.6324

# 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.



17.3813, 28.5054, 84.0545



46.5710, 28.5054, 17.7994



13.6024, 28.5054, 22.5626

# Square

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



46.5710, 28.5054, 17.7994



21.9569, 28.5054, 4.0038



13.9820, 28.5054, 49.6059



32.9746, 28.5054, 103.6500



# Rectangle

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



46.5710, 28.5054, 17.7994



33.6921, 28.5054, 4.1724



13.9820, 28.5054, 49.6059



21.4182, 28.5054, 102.2016

# Sweetspot

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



46.5717, 28.5070, 17.7999



74.6645, 69.1784, 71.4320



52.9108, 30.0519, 95.9401



15.4637, 14.0299, 14.3214



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.



46.5717, 28.5070, 17.7999



43.9221, 24.2270, 10.2144



52.0920, 41.4266, 13.8471



18.1195, 18.0311, 19.2463



21.7638, 11.1948, 2.1408



2.1501, 1.1024, 0.3718



# Inverse Universe

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



46.5717, 28.5070, 17.7999



43.9221, 24.2270, 10.2144



40.8139, 47.6978, 99.9836



18.1195, 18.0311, 19.2463



21.7638, 11.1948, 2.1408



2.1501, 1.1024, 0.3718



# Previews

## White Background



This preview shows how the XYZ color 46.5710, 28.5054, 17.7994 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

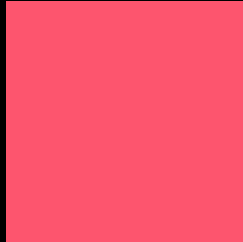
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.5710, 28.5054, 17.7994 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 46.5710, 28.5054, 17.7994**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.5710, 28.5054, 17.7994.



This preview shows how white text looks on a background with the XYZ color 46.5710, 28.5054,



# 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

46.5710, 28.5054, 17.7994

### Protanopia

27.2905, 28.5698, 28.1209

### Deuteranopia

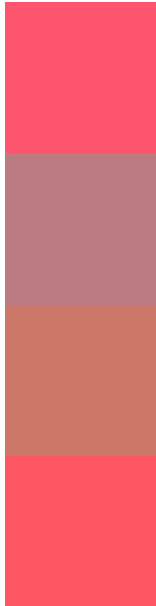
29.2319, 28.7141, 16.5721



## Tritanopia

45.6104, 28.4652, 13.4463

# Trichromacy



## Original Color

46.5710, 28.5054, 17.7994

## Protanomaly

31.4728, 26.2892, 23.8376

## Deuteranomaly

33.8949, 27.1494, 16.8185

## Tritanomaly

45.8052, 28.4127, 14.8744

# Monochromacy



## Original Color

46.5710, 28.5054, 17.7994

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

29.3155, 24.4555, 23.5974

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.5710, 28.5054, 17.7994 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(253, 85, 110)` looks like.

```
.text, #text, p{  
    color:rgb(253, 85, 110)  
}
```

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(253, 85, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 85, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 46.5710, 28.5054, 17.7994 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(253, 85, 110) }
```



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

```
.border{ border-color:rgb(253, 85, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 85, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 85, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 85, 110);  
box-shadow:4px 4px 4px 4px rgb(253, 85,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.5710, 28.5054, 17.7994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 85, 110) }
```

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

```
.background{ background-color: rgb(253, 85,  
110) }
```

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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