

Converting Colors

XYZ(49.6599, 33.5070, 20.6798)

Have a look what the booklet for
XYZ(49.6599, 33.5070, 20.6798)
contains.

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Color

**XYZ(49.6599, 33.5070,
20.6798)**

Conversions

Conversions Part 1

Format	Color
Hex	FE6E75
RGB	254, 110, 117
RGB Percent	100%, 43%, 46%
CMY	0.0039, 0.5686, 0.5412
CMYK	0.00, 0.57, 0.54, 0.00
HSL	357°, 99%, 71%
HSV	357°, 57%, 100%
XYZ	49.6599, 33.5070, 20.6798
YIQ	153.8540, 83.5770, 32.7050

Conversions

Conversions Part 2

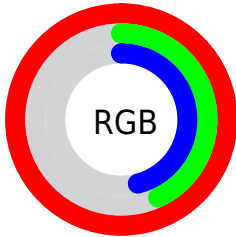
Format	Color
R_{YB}	254, 110, 117
Decimal	16674421
CIE Lab	64.57, 55.43, 23.95
CIE LCh	65, 60.381, 23.368
Yxy	33.5070, 0.4782, 0.3227
Android (android.graphics.Color)	4294864501 (0xFFFE6E75)
YUV	153.8540, -18.1690, 87.8280
Hunter-Lab	57.8852, 51.8365, 19.3380

Details

The XYZ color **49.6599, 33.5070, 20.6798** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **58.6628, 80.9148, 100.5277**, and the grayscale version is **30.7038, 32.3028, 35.1777**.

A 20% lighter version of the original color is **62.0377, 51.3970, 44.1870**, and **24.1316, 14.2745, 7.1136** is the 20% darker color. If you saturate the color by 10%, you get **46.0592, 28.2937, 13.3512**, and if you desaturate by 10%, it is **54.4142, 40.4410, 30.2026**.

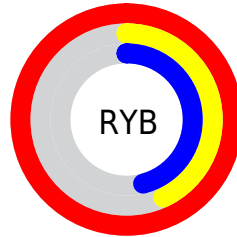
Distribution



Red (100%)

Green (43%)

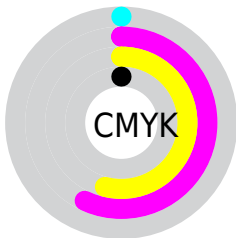
Blue (46%)



Red (100%)

Yellow (43%)

Blue (46%)

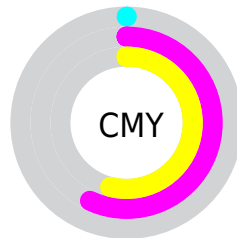


Cyan (0%)

Magenta (57%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6599, 33.5070, 20.6798 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 49.6599, 33.5070, 20.6798 by changing the saturation by 10% instead.


 49.6599, 33.5070,
20.6798


 49.6599, 33.5070,
20.6798


375.8085,
317.9282, 268.2968

 35.3599, 22.5151,
12.7012


 88.8656, 65.1663,
45.4279

 24.1081, 14.2359,
7.0948

 114.5021, 86.6025,
63.0344

 15.5390, 8.2849,
3.4421

 144.6480,
112.2889, 84.6873

 9.2873, 4.2778,
1.3246

179.6689,
142.6099, 110.8052

 4.9876, 1.8301,
0.0818

219.9300,
177.9500, 141.8066

 2.2747, 0.5059,
0.0000

265.7968,

 0.7817, 0.0000,

218.6934, 178.1099

0.0000

317.6345,
265.2247, 220.1338

■ 0.0000, 0.0000,
0.0000

■ 49.6599, 33.5070,
20.6798

■ 49.6599, 33.5070,
20.6798

■ 46.0592, 28.2937,
13.3512

■ 54.4142, 40.4410,
30.2026

■ 43.5115, 24.6457,
8.0401

■ 60.4063, 49.2224,
42.0740

■ 41.9036, 22.3896,
4.5457

■ 67.7155, 59.9723,
56.4362

■ 41.0935, 21.3050,
2.6240

■ 76.4137, 72.8001,
73.4199

■ 40.9414, 21.0982,
2.2732

■ 86.5677, 87.8072,
93.1465

94.6829, 99.8108,
108.8828

Harmonies

Analogous

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



51.3618, 33.5070, 42.2582



49.6599, 33.5070, 20.6798



42.8229, 33.5070, 10.0741

Triad

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



49.6599, 33.5070, 20.6798



20.2902, 33.5070, 14.8227



29.9672, 33.5070, 107.0798

Complementary

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



49.6599, 33.5070, 20.6798



58.6628, 80.9148, 100.5277

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.



22.9284, 33.5070, 89.5271



49.6599, 33.5070, 20.6798



18.0325, 33.5070, 31.2603

Square

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



49.6599, 33.5070, 20.6798



25.7025, 33.5070, 7.9192



18.9026, 33.5070, 58.7937



38.9011, 33.5070, 99.8996

Rectangle

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



49.6599, 33.5070, 20.6798



36.8425, 33.5070, 7.2486



18.9026, 33.5070, 58.7937



27.3255, 33.5070, 103.6887

Sweetspot

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



49.6607, 33.5088, 20.6804



76.8024, 73.0147, 73.4999



61.7535, 38.0472, 97.8548



16.0386, 15.0373, 14.9519



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.



49.6607, 33.5088, 20.6804



46.0736, 27.9730, 12.6485



58.9798, 52.7806, 21.8333



18.0451, 18.0014, 18.8548



21.5997, 11.1292, 1.2764



2.1151, 1.0884, 0.1875

Inverse Universe

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



49.6607, 33.5088, 20.6804



46.0736, 27.9730, 12.6485



42.5622, 46.9541, 100.5855



18.0451, 18.0014, 18.8548



21.5997, 11.1292, 1.2764



2.1151, 1.0884, 0.1875

Previews

White Background



This preview shows how the XYZ color 49.6599, 33.5070, 20.6798 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 49.6599, 33.5070, 20.6798 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 49.6599, 33.5070, 20.6798

Background



This preview shows how black text looks on a background with the XYZ color 49.6599, 33.5070, 20.6798.



This preview shows how white text looks on a background with the XYZ color 49.6599, 33.5070,

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

49.6599, 33.5070, 20.6798

Protanopia

31.8585, 33.5335, 29.2196

Deuteranopia

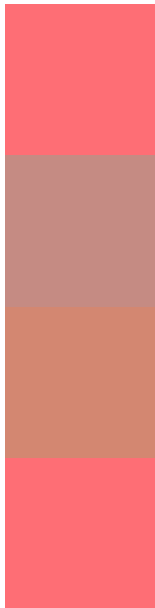
34.2143, 33.5033, 19.4153



Tritanopia

49.6599, 33.5070, 20.6798

Trichromacy



Original Color

49.6599, 33.5070, 20.6798

Protanomaly

36.3553, 31.9742, 25.7282

Deuteranomaly

38.5086, 32.3691, 19.8410

Tritanomaly

49.6599, 33.5070, 20.6798

Monochromacy



Original Color

49.6599, 33.5070, 20.6798

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.1314, 31.0472, 29.3404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6599, 33.5070, 20.6798 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(254, 110, 117)` looks like.

```
.text, #text, p{  
    color:rgb(254, 110, 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(254, 110, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 110, 117) }
```

Border

The CSS property to change the border of an element to XYZ 49.6599, 33.5070, 20.6798 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(254, 110, 117) }
```


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

```
.border{ border-color:rgb(254, 110, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 110, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 110, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 110, 117);  
box-shadow:4px 4px 4px 4px rgb(254, 110,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6599, 33.5070, 20.6798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 110, 117) }
```

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

```
.background{ background-color: rgb(254,  
110, 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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