

Converting Colors

XYZ(63.2379, 40.9305, 17.8336)

Have a look what the booklet for
XYZ(63.2379, 40.9305, 17.8336)
contains.

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Color

**XYZ(49.5840, 33.8683,
17.2885)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF7069 |
| RGB | 255, 112, 105 |
| RGB Percent | 100%, 44%, 41% |
| CMY | 0.0000, 0.5607, 0.5882 |
| CMYK | 0.00, 0.56, 0.59, 0.00 |
| HSL | 3°, 100%, 71% |
| HSV | 3°, 59%, 100% |
| XYZ | 49.5840, 33.8683, 17.2885 |
| YIQ | 153.9590, 87.4750, 28.1390 |

Conversions

Conversions Part 2

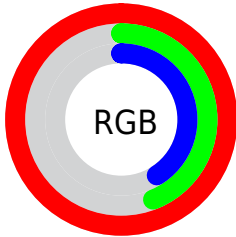
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 112, 105 |
| Decimal | 16740457 |
| CIELab | 64.86, 53.98, 31.11 |
| CIElCh | 65, 62.303, 29.956 |
| Yxy | 33.8683, 0.4922, 0.3362 |
| Android (android.graphics.Color) | 4294930537 (0xFFFF7069) |
| YUV | 153.9590, -24.1368, 88.6130 |
| Hunter-Lab | 58.1965, 50.2400, 23.1242 |

Details

The XYZ color **49.5840, 33.8683, 17.2885** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **57.4406, 77.3529, 106.5105**, and the grayscale version is **30.7741, 32.3768, 35.2583**.

A 20% lighter version of the original color is **61.2434, 51.6656, 38.1971**, and **24.1702, 14.4713, 5.5223** is the 20% darker color. If you saturate the color by 10%, you get **46.1346, 28.7621, 10.6132**, and if you desaturate by 10%, it is **54.1517, 40.5830, 26.2750**.

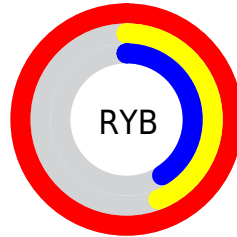
Distribution



Red (100%)

Green (44%)

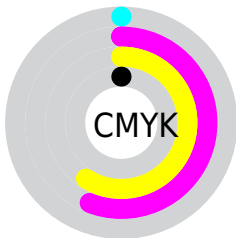
Blue (41%)



Red (100%)

Yellow (44%)

Blue (41%)

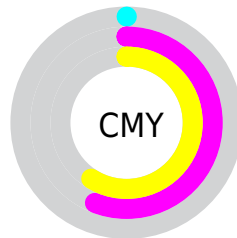


Cyan (0%)

Magenta (56%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5840, 33.8683, 17.2885 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 49.5840, 33.8683, 17.2885 by changing the saturation by 10% instead.


 49.5840, 33.8683,
17.2885


 49.5840, 33.8683,
17.2885


375.5158,
319.5444, 248.9295


 35.2994, 22.7924,
10.2763


 88.7537, 65.7288,
39.6186


 24.0612, 14.4403,
5.4745


 114.3696, 87.2823,
55.7735

 15.5040, 8.4275,
2.4647


 144.4932,
113.0970, 75.8131

 9.2625, 4.3697,
0.8214

 179.4900,
143.5575, 100.1558

 4.9713, 1.8825,
0.0000

219.7253,
179.0481, 129.2203

 2.2650, 0.5378,
0.0000

265.5645,


 0.7767, 0.0000,


219.9532, 163.4250


0.0000


317.3729,
266.6571, 203.1886


 0.0000, 0.0000,
0.0000

 49.5840, 33.8683,
17.2885


 49.5840, 33.8683,
17.2885


 46.1346, 28.7621,
10.6132


 54.1517, 40.5830,
26.2750


 43.7050, 25.1248,
6.0362


 59.9203, 49.0195,
37.7565


 42.1837, 22.8027,
3.3083

 66.9671, 59.2873,
51.9001

 41.4239, 21.6018,
2.0725

 75.3626, 71.4854,
68.8581

 41.3702, 21.5207,
1.9735

 85.1720, 85.7054,
88.7712

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



52.7240, 33.8683, 36.9146



49.5840, 33.8683, 17.2885



41.6305, 33.8683, 8.5004

Triad

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



49.5840, 33.8683, 17.2885



19.4401, 33.8683, 17.2490



32.1776, 33.8683, 111.7042

Complementary

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



49.5840, 33.8683, 17.2885



57.4406, 77.3529, 106.5105

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.



24.2982, 33.8683, 98.3667



49.5840, 33.8683, 17.2885



17.8296, 33.8683, 36.8390

Square

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



49.5840, 33.8683, 17.2885



24.3171, 33.8683, 8.4862



19.4307, 33.8683, 67.4835



41.6034, 33.8683, 98.4394

Rectangle

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



49.5840, 33.8683, 17.2885



35.2964, 33.8683, 6.4744



19.4307, 33.8683, 67.4835



29.2730, 33.8683, 110.1255

Sweetspot

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



49.5848, 33.8702, 17.2891



76.1160, 72.5785, 70.3838



63.5467, 38.2654, 94.4787



15.7312, 14.7209, 13.9298



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.



49.5848, 33.8702, 17.2891



45.5225, 27.8501, 9.4460



61.1387, 56.9779, 21.1404



18.0774, 18.1230, 18.6896



21.6458, 11.3028, 1.0408



2.1305, 1.1463, 0.1090

Inverse Universe

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



57.4406, 77.3529, 106.5105



53.9909, 74.9153, 106.2222



39.2058, 40.8834, 100.4322



18.4779, 20.3273, 23.1996



26.2240, 37.3576, 55.2632



2.5749, 3.6805, 5.3880

Previews

White Background



This preview shows how the XYZ color 49.5840, 33.8683, 17.2885 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 49.5840, 33.8683, 17.2885 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 49.5840, 33.8683, 17.2885

Background



This preview shows how black text looks on a background with the XYZ color 49.5840, 33.8683, 17.2885.



This preview shows how white text looks on a background with the XYZ color 49.5840, 33.8683,

17.2885.

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

49.5840, 33.8683, 17.2885

Protanopia

31.8435, 33.8940, 23.9326

Deuteranopia

34.7571, 34.0914, 16.3037



Tritanopia

50.1945, 33.9369, 21.0445

Trichromacy



Original Color

49.5840, 33.8683, 17.2885

Protanomaly

36.5552, 32.6135, 21.1980

Deuteranomaly

39.0262, 33.1270, 16.6492

Tritanomaly

49.9051, 33.8211, 19.5206

Monochromacy



Original Color

49.5840, 33.8683, 17.2885

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.1624, 31.3192, 27.4845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5840, 33.8683, 17.2885 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(255, 112, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 105)  
}
```

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(255, 112, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 105) }
```

Border

The CSS property to change the border of an element to XYZ 49.5840, 33.8683, 17.2885 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(255, 112, 105) }
```


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

```
.border{ border-color:rgb(255, 112, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5840, 33.8683, 17.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 105) }
```

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

```
.background{ background-color: rgb(255,  
112, 105) }
```

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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