

Converting Colors

XYZ(49.6278, 33.9640, 20.2689)

Have a look what the booklet for
XYZ(49.6278, 33.9640, 20.2689)
contains.

XYZ(49.5077, 33.9307, 20.1596)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.5077, 33.9307,
20.1596)**

Conversions

Conversions Part 1

Format	Color
Hex	FD7173
RGB	253, 113, 115
RGB Percent	99%, 44%, 45%
CMY	0.0078, 0.5568, 0.5490
CMYK	0.00, 0.55, 0.55, 0.01
HSL	359°, 97%, 72%
HSV	359°, 55%, 99%
XYZ	49.5077, 33.9307, 20.1596
YIQ	155.0880, 82.7980, 30.3020

Conversions

Conversions Part 2

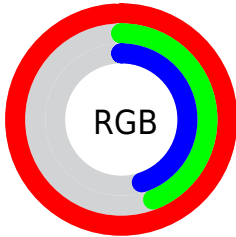
Format	Color
R _Y B	253, 113, 115
Decimal	16609651
CIE Lab	64.91, 53.56, 25.50
CIE LCh	65, 59.322, 25.464
Yxy	33.9307, 0.4779, 0.3275
Android (android.graphics.Color)	4294799731 (0xFFFD7173)
YUV	155.0880, -19.7634, 85.8688
Hunter-Lab	58.2501, 49.7725, 20.2555

Details

The XYZ color **49.5077, 33.9307, 20.1596** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.3500, 80.7271, 103.7265**, and the grayscale version is **31.2549, 32.8826, 35.8091**.

A 20% lighter version of the original color is **62.4030, 52.4260, 43.3894**, and **24.0120, 14.5077, 6.8449** is the 20% darker color. If you saturate the color by 10%, you get **45.8218, 28.5535, 12.7828**, and if you desaturate by 10%, it is **54.3699, 41.0399, 29.8439**.

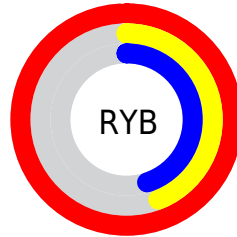
Distribution



Red (99%)

Green (44%)

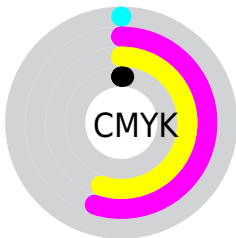
Blue (45%)



Red (99%)

Yellow (44%)

Blue (45%)

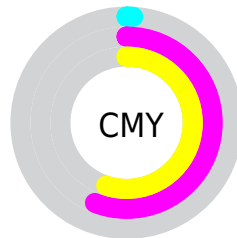


Cyan (0%)

Magenta (55%)

Yellow (55%)

Black (1%)



Cyan (1%)


Magenta (56%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5077, 33.9307, 20.1596 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 49.5077, 33.9307, 20.1596 by changing the saturation by 10% instead.


 49.5077, 33.9307,
20.1596


 49.5077, 33.9307,
20.1596


375.2215,
319.8229, 265.4106

 35.2386, 22.8404,
12.3259


 88.6412, 65.8259,
44.5471

 24.0141, 14.4757,
6.8408


 114.2364, 87.3995,
61.9379

 15.4689, 8.4522,
3.2858


 144.3375,
113.2364, 83.3516

 9.2376, 4.3857,
1.2424

179.3101,
143.7209, 109.2066

 4.9548, 1.8916,
0.0138

219.5194,
179.2374, 139.9214

 2.2553, 0.5433,
0.0000

265.3309,

 0.7716, 0.0000,

220.1703, 175.9147

0.0000

317.1098,
266.9040, 217.6049

■ 0.0000, 0.0000,
0.0000

■ 49.5077, 33.9307,
20.1596

■ 49.5077, 33.9307,
20.1596

■ 45.8218, 28.5535,
12.7828

■ 54.3699, 41.0399,
29.8439

■ 43.2105, 24.7555,
7.5203

■ 60.4940, 50.0058,
42.0041

■ 41.5590, 22.3669,
4.1505

■ 67.9604, 60.9482,
56.7947

■ 40.7250, 21.1761,
2.4020

■ 76.8422, 73.9752,
74.3573

■ 40.5276, 20.8905,
1.9996

■ 87.2071, 89.1871,
94.8233

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.



51.5953, 33.9307, 40.7993



49.5077, 33.9307, 20.1596



42.5090, 33.9307, 10.1313

Triad

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



49.5077, 33.9307, 20.1596



20.5039, 33.9307, 16.1482



30.9659, 33.9307, 106.6631

Complementary

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



49.5077, 33.9307, 20.1596



59.3500, 80.7271, 103.7265

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.



23.7908, 33.9307, 90.9612



49.5077, 33.9307, 20.1596



18.4689, 33.9307, 33.3410

Square

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



49.5077, 33.9307, 20.1596



25.6792, 33.9307, 8.6379



19.5565, 33.9307, 61.1400



39.8560, 33.9307, 97.9289

Rectangle

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



49.5077, 33.9307, 20.1596



36.5597, 33.9307, 7.5244



19.5565, 33.9307, 61.1400



28.2933, 33.9307, 103.9271

Sweetspot

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



49.5085, 33.9325, 20.1602



76.6135, 72.9391, 72.5048



63.2993, 39.3513, 97.1876



15.9947, 15.0198, 14.7211



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.



49.5085, 33.9325, 20.1602



46.4311, 28.7508, 12.5745



59.9460, 54.9891, 23.0797



18.0199, 17.9913, 18.7219



21.5637, 11.1148, 1.0870



2.1031, 1.0836, 0.1244

Inverse Universe

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



49.5085, 33.9325, 20.1602



46.4311, 28.7508, 12.5745



41.9603, 45.4423, 99.4880



18.0199, 17.9913, 18.7219



21.5637, 11.1148, 1.0870



2.1031, 1.0836, 0.1244

Previews

White Background



This preview shows how the XYZ color 49.5077, 33.9307, 20.1596 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 49.5077, 33.9307, 20.1596 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 49.5077, 33.9307, 20.1596

Background



This preview shows how black text looks on a background with the XYZ color 49.5077, 33.9307, 20.1596.



This preview shows how white text looks on a background with the XYZ color 49.5077, 33.9307,

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

49.5077, 33.9307, 20.1596

Protanopia

32.1560, 33.9702, 27.7838

Deuteranopia

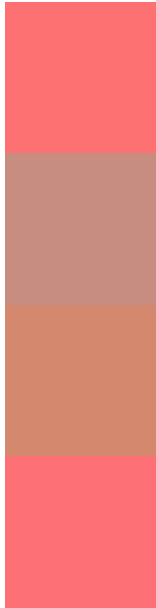
34.8132, 34.0562, 19.2066



Tritanopia

49.6923, 33.8271, 21.6795

Trichromacy



Original Color

49.5077, 33.9307, 20.1596

Protanomaly

36.7099, 32.6140, 24.7824

Deuteranomaly

38.9663, 33.0361, 19.3618

Tritanomaly

49.5722, 33.7790, 21.0468

Monochromacy



Original Color

49.5077, 33.9307, 20.1596

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

35.5976, 31.7260, 29.0585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5077, 33.9307, 20.1596 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, 113, 115)` looks like.

```
.text, #text, p{  
    color:rgb(253, 113, 115)  
}
```

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, 113, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 113, 115) }
```

Border

The CSS property to change the border of an element to XYZ 49.5077, 33.9307, 20.1596 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, 113, 115) }
```


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

```
.border{ border-color:rgb(253, 113, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 113, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 113, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 113, 115);  
box-shadow:4px 4px 4px 4px rgb(253, 113,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5077, 33.9307, 20.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 113, 115) }
```

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

```
.background{ background-color: rgb(253,  
113, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor