

Converting Colors

XYZ(50.3940, 33.3339, 24.2001)

Have a look what the booklet for
XYZ(50.3940, 33.3339, 24.2001)
contains.

XYZ(50.3940, 33.3339, 24.2001)	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(50.3940, 33.3339,
24.2001)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6B80
RGB	255, 107, 128
RGB Percent	100%, 42%, 50%
CMY	0.0000, 0.5804, 0.4980
CMYK	0.00, 0.58, 0.50, 0.00
HSL	351°, 100%, 71%
HSV	351°, 58%, 100%
XYZ	50.3940, 33.3339, 24.2001
YIQ	153.6460, 81.4670, 37.9070

Conversions

Conversions Part 2

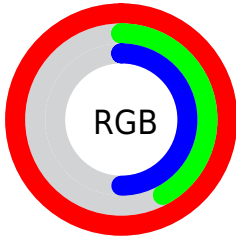
Format	Color
R_{YB}	255, 107, 128
Decimal	16739200
CIE Lab	64.43, 58.00, 17.53
CIE LCh	64, 60.592, 16.812
Yxy	33.3339, 0.4669, 0.3089
Android (android.graphics.Color)	4294929280 (0xFFFF6B80)
YUV	153.6460, -12.6435, 88.8875
Hunter-Lab	57.7355, 54.7652, 15.5632

Details

The XYZ color **50.3940, 33.3339, 24.2001** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **56.6768, 80.5871, 90.4154**, and the grayscale version is **30.5900, 32.1830, 35.0473**.

A 20% lighter version of the original color is **62.6777, 50.7906, 50.2161**, and **24.5019, 14.0986, 8.8270** is the 20% darker color. If you saturate the color by 10%, you get **46.8279, 28.2638, 16.6552**, and if you desaturate by 10%, it is **55.0560, 40.0991, 33.6432**.

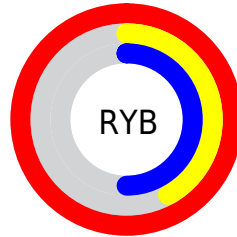
Distribution



Red (100%)

Green (42%)

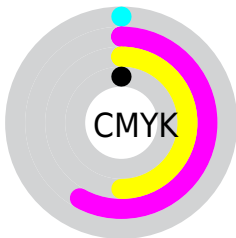
Blue (50%)



Red (100%)

Yellow (42%)

Blue (50%)

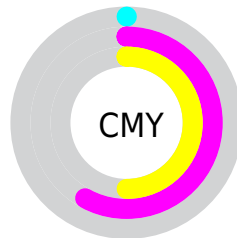


Cyan (0%)

Magenta (58%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3940, 33.3339, 24.2001 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 50.3940, 33.3339, 24.2001 by changing the saturation by 10% instead.


 50.3940, 33.3339,
24.2001

 50.3940, 33.3339,
24.2001


378.6313,
317.1516, 287.1496


 35.9456, 22.3824,
15.2686


 89.9467, 64.8965,
51.3045


 24.5621, 14.1381,
8.8594


 115.7818, 86.2763,
70.3143

 15.8781, 8.2168,
4.5540


 146.1431,
111.9010, 93.5208

 9.5282, 4.2340,
1.9339

 181.3960,
142.1550, 121.3422

 5.1472, 1.8053,
0.5142

221.9060,
177.4227, 154.1973

 2.3695, 0.4905,
0.0000

268.0383,

 0.8299, 0.0000,

218.0884, 192.5046

0.0000

320.1583,
264.5366, 236.6825

■ 0.0000, 0.0000,
0.0000

■ 50.3940, 33.3339,
24.2001

■ 50.3940, 33.3339,
24.2001

■ 46.8279, 28.2638,
16.6552

■ 55.0560, 40.0991,
33.6432

■ 44.2640, 24.7329,
10.8768

■ 60.8922, 48.6862,
45.1003

■ 42.5964, 22.5661,
6.7189

■ 67.9768, 59.2165,
58.6799

■ 41.6853, 21.5251,
4.0073

■ 76.3768, 71.7988,
74.4823

■ 41.5610, 21.3884,
3.6206

■ 86.1546, 86.5344,
92.6012

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



50.7654, 33.3339, 48.2673



50.3940, 33.3339, 24.2001



44.4664, 33.3339, 11.4840

Triad

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



50.3940, 33.3339, 24.2001



21.0486, 33.3339, 12.5005



28.0420, 33.3339, 105.1168

Complementary

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



50.3940, 33.3339, 24.2001



56.6768, 80.5871, 90.4154

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.



21.6193, 33.3339, 83.2079



50.3940, 33.3339, 24.2001



18.1049, 33.3339, 26.4867

Square

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



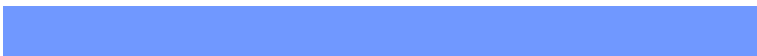
50.3940, 33.3339, 24.2001



27.1169, 33.3339, 7.1453



18.2928, 33.3339, 51.8679



36.7347, 33.3339, 103.5425

Rectangle

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



50.3940, 33.3339, 24.2001



38.6844, 33.3339, 7.7754



18.2928, 33.3339, 51.8679



25.5816, 33.3339, 99.9446

Sweetspot

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



50.3948, 33.3357, 24.2007



77.3247, 73.2236, 76.2500



56.8479, 35.0274, 98.3723



16.1601, 15.0859, 15.5916



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.



50.3948, 33.3357, 24.2007



46.2484, 27.4538, 15.3851



56.2589, 47.0511, 20.0289



18.1143, 18.0290, 19.2191



21.7481, 11.1885, 2.0581



2.1477, 1.1014, 0.3591

Inverse Universe

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



50.3948, 33.3357, 24.2007



46.2484, 27.4538, 15.3851



45.5183, 53.1541, 102.4682



18.1143, 18.0290, 19.2191



21.7481, 11.1885, 2.0581



2.1477, 1.1014, 0.3591

Previews

White Background



This preview shows how the XYZ color 50.3940, 33.3339, 24.2001 looks on a white background.

Color Contrast Check

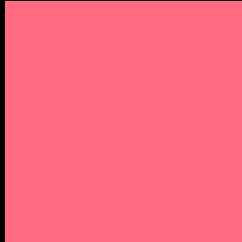
Large Text (above 18pt) WCAG AA × Fail

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 50.3940, 33.3339, 24.2001 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 50.3940, 33.3339, 24.2001

Background



This preview shows how black text looks on a background with the XYZ color 50.3940, 33.3339, 24.2001.

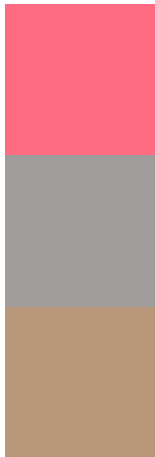


This preview shows how white text looks on a background with the XYZ color 50.3940, 33.3339,

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

50.3940, 33.3339, 24.2001

Protanopia

32.1354, 33.5504, 34.9192

Deuteranopia

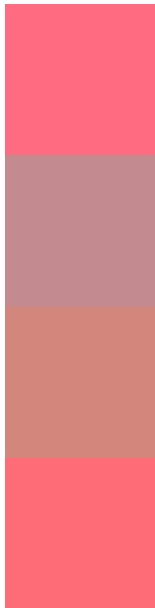
34.1247, 33.3835, 22.7343



Tritanopia

49.4941, 33.2691, 20.3359

Trichromacy



Original Color

50.3940, 33.3339, 24.2001

Protanomaly

36.6282, 31.7927, 30.5916

Deuteranomaly

38.7415, 32.2071, 23.2435

Tritanomaly

49.6258, 33.1520, 21.5527

Monochromacy



Original Color

50.3940, 33.3339, 24.2001

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.5424, 31.0120, 30.9007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3940, 33.3339, 24.2001 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, 107, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 128)  
}
```

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, 107, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 128) }
```

Border

The CSS property to change the border of an element to XYZ 50.3940, 33.3339, 24.2001 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, 107, 128) }
```


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

```
.border{ border-color:rgb(255, 107, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3940, 33.3339, 24.2001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 128) }
```

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

```
.background{ background-color: rgb(255,  
107, 128) }
```

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