

Converting Colors

XYZ(53.4344, 33.7399, 42.7082)

Have a look what the booklet for
XYZ(53.4344, 33.7399, 42.7082)
contains.

XYZ(53.4378, 33.7413, 42.7260)	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(53.4378, 33.7413,
42.7260)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66AC
RGB	255, 102, 172
RGB Percent	100%, 40%, 67%
CMY	0.0000, 0.6000, 0.3255
CMYK	0.00, 0.60, 0.33, 0.00
HSL	333°, 100%, 70%
HSV	333°, 60%, 100%
XYZ	53.4378, 33.7413, 42.7260
YIQ	155.7270, 68.7180, 54.2060

Conversions

Conversions Part 2

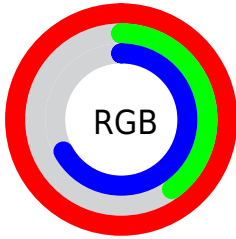
Format	Color
R _Y B	255, 102, 172
Decimal	16737964
CIE Lab	64.76, 64.58, -7.19
CIE LCh	65, 64.983, 353.651
Yxy	33.7413, 0.4114, 0.2597
Android (android.graphics.Color)	4294928044 (0xFFFF66AC)
YUV	155.7270, 8.0226, 87.0624
Hunter-Lab	58.0873, 62.5597, -2.9496

Details

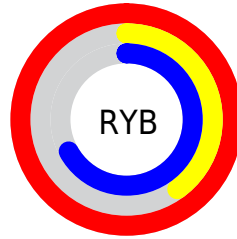
The XYZ color **53.4378, 33.7413, 42.7260** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.9982, 77.8484, 58.2943**, and the grayscale version is **31.4237, 33.0601, 36.0025**.

A 20% lighter version of the original color is **67.5033, 51.6023, 79.0755**, and **26.3971, 14.3430, 19.1465** is the 20% darker color. If you saturate the color by 10%, you get **50.0455, 28.9736, 35.3778**, and if you desaturate by 10%, it is **57.7406, 40.1086, 51.0608**.

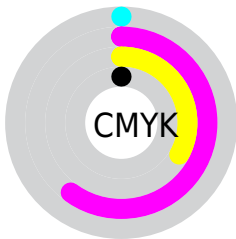
Distribution



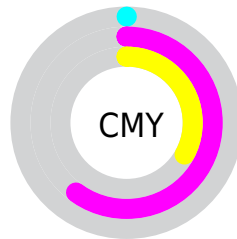
- Red (100%)
- Green (40%)
- Blue (67%)



- Red (100%)
- Yellow (40%)
- Blue (67%)



- Cyan (0%)
- Magenta (60%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4378, 33.7413, 42.7260 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 53.4378, 33.7413, 42.7260 by changing the saturation by 10% instead.

 53.4378, 33.7413,
42.7260

 53.4378, 33.7413,
42.7260

390.1959,
318.9770, 373.3718


 38.3813, 22.6949,
29.3404

 94.4100, 65.5312,
80.5791


 26.4573, 14.3684,
19.0907


 121.0564, 87.0435,
105.8837

 17.3005, 8.3773,
11.5583


 152.2968,
112.8132, 135.9984

 10.5456, 4.3373,
6.3248

 188.4965,
143.2247, 171.3417

 5.8272, 1.8640,
2.9716

230.0209,
178.6625, 212.3321

 2.7800, 0.5266,
1.0802

277.2354,

 1.0385, 0.0000,

219.5108, 259.3883

0.0000

330.5053,
266.1542, 312.9286

■ 0.0000, 0.0000,
0.0000

■ 53.4378, 33.7413,
42.7260

■ 53.4378, 33.7413,
42.7260

■ 50.0455, 28.9736,
35.3778

■ 57.7406, 40.1086,
51.0608

■ 47.4837, 25.6522,
28.9678

■ 63.0193, 48.1999,
60.4228

■ 45.6614, 23.6023,
23.4441

■ 69.3359, 58.1332,
70.8523

■ 44.4313, 22.5367,
18.7347

■ 76.7465, 70.0144,
82.3861

■ 44.4309, 22.5364,
18.7332

■ 85.3029, 83.9415,
95.0592

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



48.8203, 33.7413, 76.4384



53.4378, 33.7413, 42.7260



51.4964, 33.7413, 19.7257

Triad

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



53.4378, 33.7413, 42.7260



25.3910, 33.7413, 6.8932



22.5589, 33.7413, 95.6931

Complementary

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



53.4378, 33.7413, 42.7260



49.9982, 77.8484, 58.2943

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.



18.2707, 33.7413, 61.4781



53.4378, 33.7413, 42.7260



19.6701, 33.7413, 13.9063

Square

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



53.4378, 33.7413, 42.7260



34.0977, 33.7413, 5.6622



17.3265, 33.7413, 31.3383



30.1245, 33.7413, 115.2421

Rectangle

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



53.4378, 33.7413, 42.7260



46.9005, 33.7413, 11.4425



17.3265, 33.7413, 31.3383



20.7506, 33.7413, 84.9114

Sweetspot

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



53.4387, 33.7430, 42.7266



78.3618, 72.6287, 84.8243



42.4746, 26.8659, 97.5547



16.2720, 14.7359, 17.3985



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.



53.4387, 33.7430, 42.7266



49.4684, 28.1974, 34.0201



48.9077, 32.7575, 16.3177



18.3550, 18.1253, 20.4865



23.2894, 11.8050, 10.1744



2.3219, 1.1712, 1.2768

Inverse Universe

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



53.4387, 33.7430, 42.7266



49.4684, 28.1974, 34.0201



57.6851, 78.3545, 106.6914



18.3550, 18.1253, 20.4865



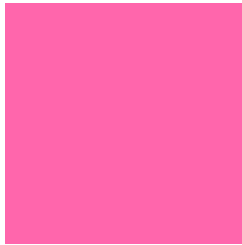
23.2894, 11.8050, 10.1744



2.3219, 1.1712, 1.2768

Previews

White Background



This preview shows how the XYZ color 53.4378, 33.7413, 42.7260 looks on a white background.

Color Contrast Check

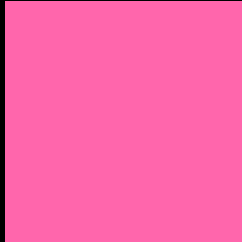
Large Text (above 18pt) WCAG AA × Fail

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 53.4378, 33.7413, 42.7260 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 53.4378, 33.7413, 42.7260

Background



This preview shows how black text looks on a background with the XYZ color 53.4378, 33.7413, 42.7260.



This preview shows how white text looks on a background with the XYZ color 53.4378, 33.7413,

42.7260.

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

53.4378, 33.7413, 42.7260

Protanopia

34.4786, 34.1216, 63.8004

Deuteranopia

34.6696, 34.0088, 39.8590



Tritanopia

49.1400, 33.7000, 22.0039

Trichromacy



Original Color

53.4378, 33.7413, 42.7260



Protanomaly

38.3089, 31.6937, 55.1373



Deuteranomaly

39.5875, 32.2577, 40.6991



Tritanomaly

50.3471, 33.5262, 28.6286

Monochromacy



Original Color

53.4378, 33.7413, 42.7260



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

37.0640, 31.4234, 38.2943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4378, 33.7413, 42.7260 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, 102, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 172)  
}
```

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, 102, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 172) }
```

Border

The CSS property to change the border of an element to XYZ 53.4378, 33.7413, 42.7260 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, 102, 172) }
```


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

```
.border{ border-color:rgb(255, 102, 172) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4378, 33.7413, 42.7260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 172) }
```

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

```
.background{ background-color: rgb(255,  
102, 172) }
```

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