

Converting Colors

XYZ(77.6242, 45.5659, 45.7801)

Have a look what the booklet for
XYZ(77.6242, 45.5659, 45.7801)
contains.

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Color

**XYZ(53.4442, 33.1300,
44.6522)**

Conversions

Conversions Part 1

Format	Color
Hex	FF62B0
RGB	255, 98, 176
RGB Percent	100%, 38%, 69%
CMY	0.0000, 0.6157, 0.3098
CMYK	0.00, 0.62, 0.31, 0.00
HSL	330°, 100%, 69%
HSV	330°, 62%, 100%
XYZ	53.4442, 33.1300, 44.6522
YIQ	153.8350, 68.5340, 57.5420

Conversions

Conversions Part 2

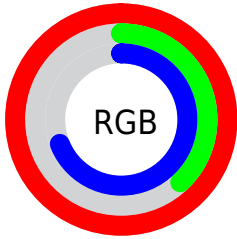
Format	Color
R _Y B	255, 98, 176
Decimal	16736944
CIE Lab	64.27, 66.72, -10.20
CIE LCh	64, 67.491, 351.307
Yxy	33.1300, 0.4073, 0.2525
Android (android.graphics.Color)	4294927024 (0xFFFF62B0)
YUV	153.8350, 10.9273, 88.7217
Hunter-Lab	57.5587, 65.0126, -5.7042

Details

The XYZ color **53.4442, 33.1300, 44.6522** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.7346, 77.2918, 53.9496**, and the grayscale version is **30.5769, 32.1693, 35.0324**.

A 20% lighter version of the original color is **67.6940, 50.8631, 82.5936**, and **26.4301, 14.0123, 20.3804** is the 20% darker color. If you saturate the color by 10%, you get **50.2164, 28.6112, 37.6055**, and if you desaturate by 10%, it is **57.5534, 39.2194, 52.5855**.

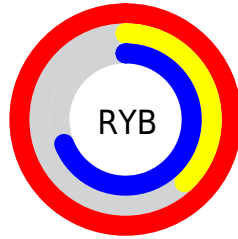
Distribution



Red (100%)

Green (38%)

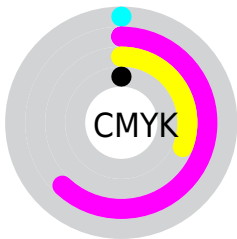
Blue (69%)



Red (100%)

Yellow (38%)

Blue (69%)

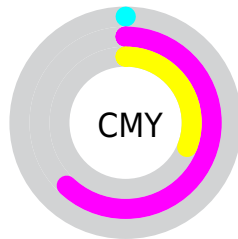


Cyan (0%)

Magenta (62%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4442, 33.1300, 44.6522 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 53.4442, 33.1300, 44.6522 by changing the saturation by 10% instead.

 53.4442, 33.1300,
44.6522

 53.4442, 33.1300,
44.6522

390.2200,
316.2351, 381.4821


 38.3864, 22.2261,
30.8426

 94.4194, 64.5784,
83.5112


 26.4613, 14.0231,
20.2216


 121.0674, 85.8917,
109.3976

 17.3035, 8.1367,
12.3705


 152.3096,
111.4436, 140.1468

 10.5478, 4.1826,
6.8710

 188.5113,
141.6184, 176.1772

 5.8287, 1.7762,
3.3043

230.0379,
176.8005, 217.9074

 2.7809, 0.4723,
1.2520

277.2546,

 1.0390, 0.0000,

217.3745, 265.7559

0.0220

330.5269,
263.7245, 320.1413

■ 0.0000, 0.0000,
0.0000

■ 53.4442, 33.1300,
44.6522

■ 53.4442, 33.1300,
44.6522

■ 50.2164, 28.6112,
37.6055

■ 57.5534, 39.2194,
52.5855

■ 47.7891, 25.5066,
31.4011

■ 62.6098, 47.0061,
61.4421

■ 46.0693, 23.6359,
25.9914

■ 68.6757, 56.6096,
71.2582

■ 45.0500, 22.7840,
21.9934

■ 75.8068, 68.1369,
82.0669

■ 84.0550, 81.6868,
93.8996

93.4683, 97.3513,
106.7859

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.



48.1735, 33.1300, 80.1478



53.4442, 33.1300, 44.6522



51.9670, 33.1300, 20.0933

Triad

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



53.4442, 33.1300, 44.6522



25.2564, 33.1300, 5.8602



21.3165, 33.1300, 94.9351

Complementary

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



53.4442, 33.1300, 44.6522



48.7346, 77.2918, 53.9496

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.



17.2517, 33.1300, 58.8493



53.4442, 33.1300, 44.6522



19.1845, 33.1300, 12.1161

Square

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



53.4442, 33.1300, 44.6522



34.3573, 33.1300, 5.0113



16.5595, 33.1300, 28.6696



28.7851, 33.1300, 117.4363

Rectangle

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



53.4442, 33.1300, 44.6522



47.4597, 33.1300, 11.2467



16.5595, 33.1300, 28.6696



19.5755, 33.1300, 83.3291

Sweetspot

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



53.4451, 33.1317, 44.6528



78.6167, 72.7307, 86.1663



40.4373, 25.2461, 97.3494



16.3340, 14.7606, 17.7249



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.



53.4451, 33.1317, 44.6528



49.5548, 27.7312, 36.0189



47.8136, 30.8791, 14.9977



18.3857, 18.1376, 20.6481



23.6149, 11.9352, 11.8882



2.3544, 1.1841, 1.4476

Inverse Universe

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



53.4451, 33.1317, 44.6528



49.5548, 27.7312, 36.0189



58.8480, 81.3372, 107.2058



18.3857, 18.1376, 20.6481



23.6149, 11.9352, 11.8882



2.3544, 1.1841, 1.4476

Previews

White Background



This preview shows how the XYZ color 53.4442, 33.1300, 44.6522 looks on a white background.

Color Contrast Check

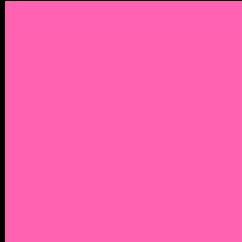
Large Text (above 18pt) WCAG AA × Fail

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 53.4442, 33.1300, 44.6522 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 53.4442, 33.1300, 44.6522

Background



This preview shows how black text looks on a background with the XYZ color 53.4442, 33.1300, 44.6522.



This preview shows how white text looks on a background with the XYZ color 53.4442, 33.1300,

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

53.4442, 33.1300, 44.6522

Protanopia

34.1744, 33.3695, 68.2581

Deuteranopia

34.0220, 33.3906, 41.6977



Tritanopia

48.4386, 33.0248, 21.2742

Trichromacy



Original Color

53.4442, 33.1300, 44.6522



Protanomaly

38.0065, 31.0441, 58.6325



Deuteranomaly

38.8907, 31.4486, 42.5485



Tritanomaly

50.0325, 32.8970, 28.5237

Monochromacy



Original Color

53.4442, 33.1300, 44.6522



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

36.5325, 30.7352, 38.1894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4442, 33.1300, 44.6522 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, 98, 176)` looks like.

```
.text, #text, p{  
  color:rgb(255, 98, 176)  
}
```

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, 98, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 176) }
```

Border

The CSS property to change the border of an element to XYZ 53.4442, 33.1300, 44.6522 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, 98, 176) }
```


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

```
.border{ border-color:rgb(255, 98, 176) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4442, 33.1300, 44.6522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 176) }
```

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

```
.background{ background-color: rgb(255, 98,  
176) }
```

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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