

Converting Colors

XYZ(53.8068, 33.8889, 44.6693)

Have a look what the booklet for
XYZ(53.8068, 33.8889, 44.6693)
contains.

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Color

**XYZ(53.8278, 33.8973,
44.7801)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66B0
RGB	255, 102, 176
RGB Percent	100%, 40%, 69%
CMY	0.0000, 0.6000, 0.3098
CMYK	0.00, 0.60, 0.31, 0.00
HSL	331°, 100%, 70%
HSV	331°, 60%, 100%
XYZ	53.8278, 33.8973, 44.7801
YIQ	156.1830, 67.4340, 55.4500

Conversions

Conversions Part 2

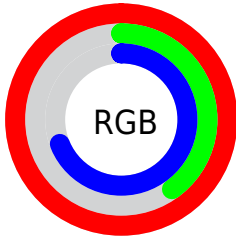
Format	Color
R _Y B	255, 102, 176
Decimal	16737968
CIE Lab	64.88, 65.05, -9.28
CIE LCh	65, 65.709, 351.879
Yxy	33.8973, 0.4062, 0.2558
Android (android.graphics.Color)	4294928048 (0xFFFF66B0)
YUV	156.1830, 9.7698, 86.6625
Hunter-Lab	58.2214, 63.1423, -4.8470

Details

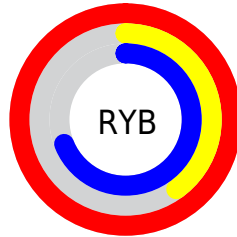
The XYZ color **53.8278, 33.8973, 44.7801** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **49.5818, 77.6818, 56.1011**, and the grayscale version is **31.6196, 33.2663, 36.2270**.

A 20% lighter version of the original color is **68.2036, 51.8825, 82.7635**, and **26.6450, 14.4422, 20.4520** is the 20% darker color. If you saturate the color by 10%, you get **50.4556, 29.1376, 37.5369**, and if you desaturate by 10%, it is **58.0988, 40.2519, 52.9470**.

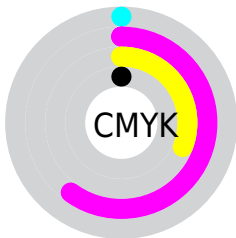
Distribution



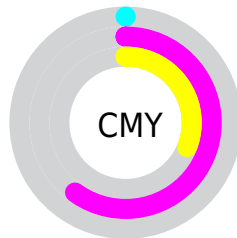
- Red (100%)
- Green (40%)
- Blue (69%)



- Red (100%)
- Yellow (40%)
- Blue (69%)



- Cyan (0%)
- Magenta (60%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8278, 33.8973, 44.7801 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 53.8278, 33.8973, 44.7801 by changing the saturation by 10% instead.


 53.8278, 33.8973,
44.7801


 53.8278, 33.8973,
44.7801


391.6621,
319.6739, 382.0164


 38.6941, 22.8147,
30.9426


 94.9797, 65.7739,
83.7053

 26.7015, 14.4568,
20.2970


 121.7287, 87.3368,
109.6300

 17.4846, 8.4390,
12.4249


 153.0802,
113.1618, 140.4209

 10.6780, 4.3771,
6.9077

 189.3995,
143.6334, 176.4964

 5.9165, 1.8867,
3.3269

231.0519,
179.1361, 218.2752

 2.8345, 0.5404,
1.2639

278.4030,

 1.0669, 0.0000,

220.0541, 266.1758

0.0319

331.8179,
266.7719, 320.6166

■ 0.0000, 0.0000,
0.0000

■ 53.8278, 33.8973,
44.7801

■ 53.8278, 33.8973,
44.7801

■ 50.4556, 29.1376,
37.5369

■ 58.0988, 40.2519,
52.9470

■ 47.9024, 25.8197,
31.1723

■ 63.3330, 48.3254,
62.0752

■ 46.0781, 23.7690,
25.6381

■ 69.5922, 58.2357,
72.2018

■ 44.8360, 22.6986,
20.8660

■ 76.9317, 70.0885,
83.3610

■ 44.8357, 22.6983,
20.8645

■ 85.4028, 83.9815,
95.5850

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.



48.7806, 33.8973, 79.3939



53.8278, 33.8973, 44.7801



52.2531, 33.8973, 20.6800

Triad

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



53.8278, 33.8973, 44.7801



25.8952, 33.8973, 6.5772



22.2300, 33.8973, 95.0500

Complementary

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



53.8278, 33.8973, 44.7801



49.5818, 77.6818, 56.1011

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.



18.0974, 33.8973, 59.9648



53.8278, 33.8973, 44.7801



19.9065, 33.8973, 13.1606

Square

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



53.8278, 33.8973, 44.7801



34.8610, 33.8973, 5.6051



17.3393, 33.8973, 30.0179



29.7128, 33.8973, 116.3996

Rectangle

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



53.8278, 33.8973, 44.7801



47.7750, 33.8973, 11.8861



17.3393, 33.8973, 30.0179



20.4688, 33.8973, 83.8422

Sweetspot

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



53.8287, 33.8990, 44.7807



78.5311, 72.6964, 85.7156



41.2782, 26.2492, 97.4987



16.3132, 14.7523, 17.6152



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.



53.8287, 33.8990, 44.7807



49.8810, 28.3624, 36.1929



48.3909, 31.7239, 16.1454



18.3754, 18.1335, 20.5939



23.5023, 11.8902, 11.2954



2.3432, 1.1797, 1.3889

Inverse Universe

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



53.8287, 33.8990, 44.7807



49.8810, 28.3624, 36.1929



59.2905, 81.5653, 107.2265



18.3754, 18.1335, 20.5939



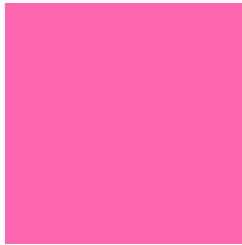
23.5023, 11.8902, 11.2954



2.3432, 1.1797, 1.3889

Previews

White Background



This preview shows how the XYZ color 53.8278, 33.8973, 44.7801 looks on a white background.

Color Contrast Check

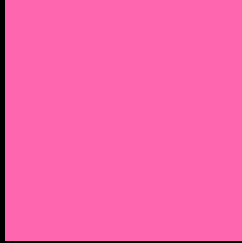
Large Text (above 18pt) WCAG AA × Fail

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 53.8278, 33.8973, 44.7801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

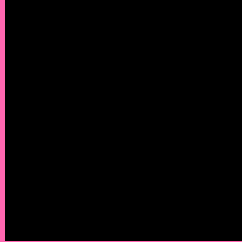
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.8278, 33.8973, 44.7801

Background



This preview shows how black text looks on a background with the XYZ color 53.8278, 33.8973, 44.7801.



This preview shows how white text looks on a background with the XYZ color 53.8278, 33.8973,

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

53.8278, 33.8973, 44.7801

Protanopia

34.9275, 34.2812, 67.0634

Deuteranopia

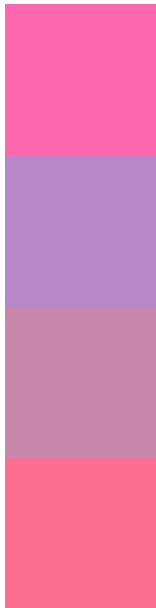
34.6076, 33.9344, 41.7718



Tritanopia

49.3138, 33.9490, 22.3660

Trichromacy



Original Color

53.8278, 33.8973, 44.7801

Protanomaly

38.6414, 31.7991, 58.1341

Deuteranomaly

39.6952, 32.2698, 42.6646

Tritanomaly

50.6033, 33.8003, 29.4482

Monochromacy



Original Color

53.8278, 33.8973, 44.7801

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

37.1532, 31.4591, 38.7644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8278, 33.8973, 44.7801 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 176) }
```

Border

The CSS property to change the border of an element to XYZ 53.8278, 33.8973, 44.7801 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, 176) }
```


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

```
.border{ border-color:rgb(255, 102, 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, 102, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 102, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 102, 176); box-shadow:4px 4px 4px 4px rgb(255, 102, 176) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8278, 33.8973, 44.7801 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, 176) }
```

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

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