

Converting Colors

XYZ(50.2913, 30.4025, 33.2220)

Have a look what the booklet for
XYZ(50.2913, 30.4025, 33.2220)
contains.

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Color

**XYZ(50.4795, 30.5394,
33.3711)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5899
RGB	255, 88, 153
RGB Percent	100%, 35%, 60%
CMY	0.0000, 0.6549, 0.4000
CMYK	0.00, 0.65, 0.40, 0.00
HSL	337°, 100%, 67%
HSV	337°, 65%, 100%
XYZ	50.4795, 30.5394, 33.3711
YIQ	145.3430, 78.6670, 55.6190

Conversions

Conversions Part 2

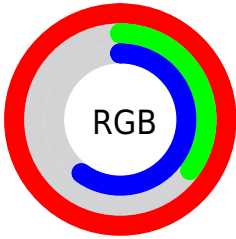
Format	Color
RYB	255, 88, 153
Decimal	16734361
CIELab	62.12, 68.20, -0.16
CIElCh	62, 68.203, 359.865
Yxy	30.5394, 0.4413, 0.2670
Android (android.graphics.Color)	4294924441 (0xFFFF5899)
YUV	145.3430, 3.7749, 96.1692
Hunter-Lab	55.2625, 66.3415, 2.8805

Details

The XYZ color **50.4795, 30.5394, 33.3711** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **49.0808, 77.3133, 61.0569**, and the grayscale version is **27.0174, 28.4245, 30.9542**.

A 20% lighter version of the original color is **62.9362, 46.6324, 64.7153**, and **24.4991, 12.5138, 13.6945** is the 20% darker color. If you saturate the color by 10%, you get **47.5364, 26.5794, 26.4519**, and if you desaturate by 10%, it is **54.3239, 36.0331, 41.4198**.

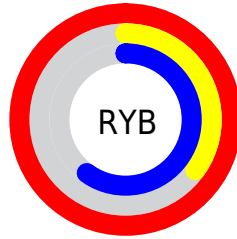
Distribution



Red (100%)

Green (35%)

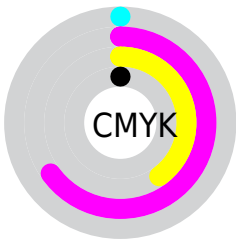
Blue (60%)



Red (100%)

Yellow (35%)

Blue (60%)

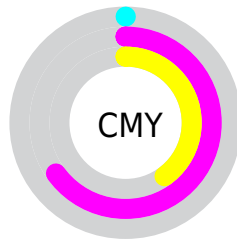


Cyan (0%)

Magenta (65%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4795, 30.5394, 33.3711 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 50.4795, 30.5394, 33.3711 by changing the saturation by 10% instead.


 50.4795, 30.5394,
33.3711


 50.4795, 30.5394,
33.3711


378.9592,
304.4107, 332.0018


 36.0139, 20.2484,
22.1374


 90.0725, 60.5142,
66.0771


 24.6151, 12.5757,
13.7586


 115.9306, 80.9667,
88.3866

 15.9177, 7.1370,
7.8162


 146.3169,
105.5752, 115.2251

 9.5564, 3.5480,
3.8915

 181.5968,
134.7240, 147.0112

 5.1659, 1.4241,
1.5660

222.1356,
168.7976, 184.1633

 2.3807, 0.2344,
0.2664

268.2987,

 0.8355, 0.0000,

208.1803, 227.1001

0.0000

320.4515,
253.2565, 276.2401

■ 0.0000, 0.0000,
0.0000

■ 50.4795, 30.5394,
33.3711

■ 50.4795, 30.5394,
33.3711

■ 47.5364, 26.5794,
26.4519

■ 54.3239, 36.0331,
41.4198

■ 45.4053, 23.9852,
20.5998

■ 59.1417, 43.1953,
50.6514


■ 43.9813, 22.5575,
15.7463

■ 65.0004, 52.1513,
61.1172

■ 43.5037, 22.1655,
13.8508

■ 71.9604, 63.0133,
72.8646

■ 80.0773, 75.8839,
85.9384

 89.4028, 90.8585,
100.3807

95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



47.1100, 30.5394, 65.6067



50.4795, 30.5394, 33.3711



47.1673, 30.5394, 13.9072

Triad

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



50.4795, 30.5394, 33.3711



21.0995, 30.5394, 5.8665



21.0415, 30.5394, 98.8675

Complementary

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



50.4795, 30.5394, 33.3711



49.0808, 77.3133, 61.0569

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.



16.2601, 30.5394, 65.2837



50.4795, 30.5394, 33.3711



16.2883, 30.5394, 13.7925

Square

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



50.4795, 30.5394, 33.3711



29.0683, 30.5394, 3.9992



14.7197, 30.5394, 33.1336



28.9853, 30.5394, 113.6667

Rectangle

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



50.4795, 30.5394, 33.3711



41.9456, 30.5394, 7.6538



14.7197, 30.5394, 33.1336



19.0770, 30.5394, 88.7551

Sweetspot

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



50.4803, 30.5411, 33.3716



76.2669, 69.8193, 79.8701



42.3299, 24.9184, 97.1863



15.8426, 14.1815, 16.3165



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.



50.4803, 30.5411, 33.3716



46.6999, 25.5213, 24.2772



48.0238, 32.0088, 12.8819



18.3020, 18.1041, 20.2077



22.7994, 11.6091, 7.5943



2.2716, 1.1510, 1.0115

Inverse Universe

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



50.4803, 30.5411, 33.3716



46.6999, 25.5213, 24.2772



52.7377, 70.6196, 105.4590



18.3020, 18.1041, 20.2077



22.7994, 11.6091, 7.5943



2.2716, 1.1510, 1.0115

Previews

White Background



This preview shows how the XYZ color 50.4795, 30.5394, 33.3711 looks on a white background.

Color Contrast Check

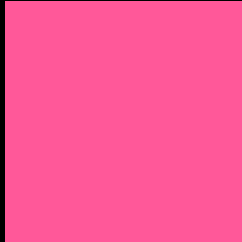
Large Text (above 18pt) WCAG AA × Fail

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 50.4795, 30.5394, 33.3711 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 50.4795, 30.5394, 33.3711

Background



This preview shows how black text looks on a background with the XYZ color 50.4795, 30.5394, 33.3711.

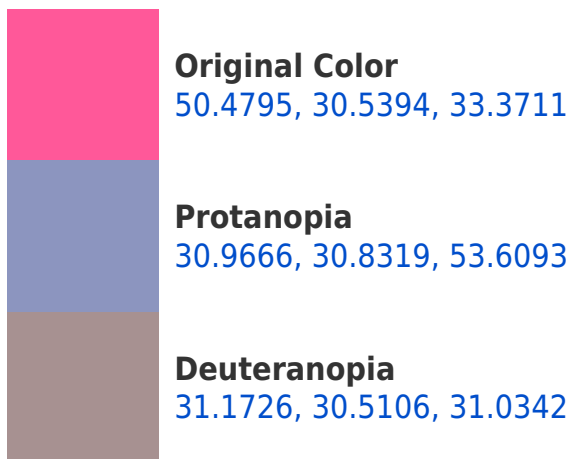


This preview shows how white text looks on a background with the XYZ color 50.4795, 30.5394,

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

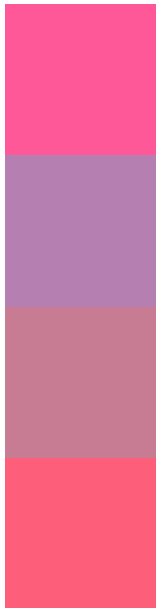




Tritanopia

47.1565, 30.6390, 16.7931

Trichromacy



Original Color

50.4795, 30.5394, 33.3711

Protanomaly

34.8166, 28.2982, 45.2220

Deuteranomaly

36.1061, 28.6955, 31.6528

Tritanomaly

48.1131, 30.4722, 21.7582

Monochromacy



Original Color

50.4795, 30.5394, 33.3711

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

32.5605, 26.8677, 31.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4795, 30.5394, 33.3711 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, 88, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 153)  
}
```

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, 88, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 153) }
```

Border

The CSS property to change the border of an element to XYZ 50.4795, 30.5394, 33.3711 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, 88, 153) }
```


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

```
.border{ border-color:rgb(255, 88, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 88, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 88, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 88, 153); box-shadow:4px 4px 4px 4px rgb(255, 88, 153) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4795, 30.5394, 33.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 153) }
```

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

```
.background{ background-color: rgb(255, 88,  
153) }
```

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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