

Converting Colors

XYZ(52.8007, 33.4865, 39.3714)

Have a look what the booklet for
XYZ(52.8007, 33.4865, 39.3714)
contains.

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Color

**XYZ(52.7829, 33.4794,
39.2775)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66A5
RGB	255, 102, 165
RGB Percent	100%, 40%, 65%
CMY	0.0000, 0.6000, 0.3529
CMYK	0.00, 0.60, 0.35, 0.00
HSL	335°, 100%, 70%
HSV	335°, 60%, 100%
XYZ	52.7829, 33.4794, 39.2775
YIQ	154.9290, 70.9650, 52.0290

Conversions

Conversions Part 2

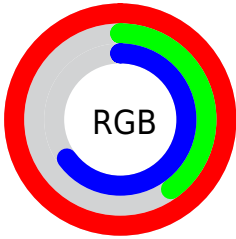
Format	Color
R_{YB}	255, 102, 165
Decimal	16737957
CIE _{Lab}	64.55, 63.79, -3.50
CIE _{LCh}	65, 63.890, 356.862
Y _{xy}	33.4794, 0.4204, 0.2667
Android (android.graphics.Color)	4294928037 (0xFFFF66A5)
YUV	154.9290, 4.9650, 87.7623
Hunter-Lab	57.8614, 61.5757, 0.2557

Details

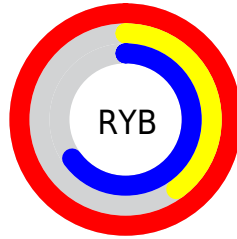
The XYZ color **52.7829, 33.4794, 39.2775** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **50.7559, 78.1514, 62.2837**, and the grayscale version is **31.0825, 32.7013, 35.6117**.

A 20% lighter version of the original color is **66.5564, 51.2236, 74.0894**, and **25.9876, 14.1792, 16.9899** is the 20% darker color. If you saturate the color by 10%, you get **49.3647, 28.7013, 31.7922**, and if you desaturate by 10%, it is **57.1336, 39.8659, 47.8644**.

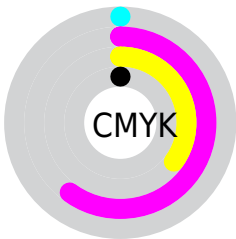
Distribution



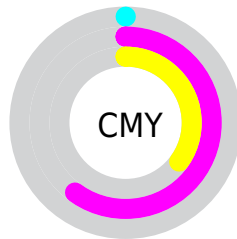
- Red (100%)
- Green (40%)
- Blue (65%)



- Red (100%)
- Yellow (40%)
- Blue (65%)



- Cyan (0%)
- Magenta (60%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7829, 33.4794, 39.2775 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 52.7829, 33.4794, 39.2775 by changing the saturation by 10% instead.


 52.7829, 33.4794,
39.2775

 52.7829, 33.4794,
39.2775

387.7261,
317.8044, 358.5300


 37.8563, 22.4939,
26.6662

 93.4522, 65.1233,
75.2871


 26.0479, 14.2203,
17.0925


 119.9257, 86.5505,
99.5224

 16.9923, 8.2740,
10.1378

 150.9787,
112.2271, 128.4695

 10.3243, 4.2708,
5.3836

 186.9768,
142.5374, 162.5468

 5.6784, 1.8262,
2.4114

228.2852,
177.8659, 202.1730

 2.6893, 0.5034,
0.7926

275.2693,

 0.9917, 0.0000,

218.5970, 247.7666

0.0000

328.2945,
265.1151, 299.7461

■ 0.0000, 0.0000,
0.0000

■ 52.7829, 33.4794,
39.2775

■ 52.7829, 33.4794,
39.2775

■ 49.3647, 28.7013,
31.7922

■ 57.1336, 39.8659,
47.8644

■ 46.7973, 25.3777,
25.3532

■ 62.4833, 47.9857,
57.6000

■ 44.9887, 23.3332,
19.9014

■ 68.8951, 57.9570,
68.5304

■ 43.7898, 22.2801,
15.3564

■ 76.4261, 69.8865,
80.6982

■ 43.7894, 22.2798,
15.3550

■ 85.1292, 83.8723,
94.1438

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.



48.9146, 33.4794, 71.4537



52.7829, 33.4794, 39.2775



50.2067, 33.4794, 18.1184

Triad

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



52.7829, 33.4794, 39.2775



24.5251, 33.4794, 7.4709



23.1514, 33.4794, 96.8960

Complementary

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



52.7829, 33.4794, 39.2775



50.7559, 78.1514, 62.2837

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.



18.5812, 33.4794, 64.2396



52.7829, 33.4794, 39.2775



19.2612, 33.4794, 15.2870

Square

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



52.7829, 33.4794, 39.2775



32.7926, 33.4794, 5.7603



17.3057, 33.4794, 33.7680



30.8691, 33.4794, 113.3007

Rectangle

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



52.7829, 33.4794, 39.2775



45.4079, 33.4794, 10.6860



17.3057, 33.4794, 33.7680



21.2573, 33.4794, 86.8706

Sweetspot

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



52.7838, 33.4812, 39.2781



78.0684, 72.5114, 83.2792



44.3520, 27.8338, 97.6426



16.2008, 14.7074, 17.0236



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.



52.7838, 33.4812, 39.2781



48.7848, 27.9239, 30.4201



49.7419, 34.4259, 16.5959



18.3195, 18.1111, 20.2994



22.9508, 11.6696, 8.3912



2.2874, 1.1573, 1.0947

Inverse Universe

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



52.7838, 33.4812, 39.2781



48.7848, 27.9239, 30.4201



55.3573, 73.6989, 105.9154



18.3195, 18.1111, 20.2994



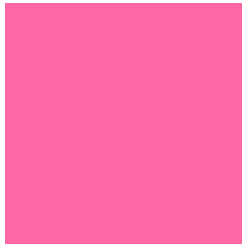
22.9508, 11.6696, 8.3912



2.2874, 1.1573, 1.0947

Previews

White Background



This preview shows how the XYZ color 52.7829, 33.4794, 39.2775 looks on a white background.

Color Contrast Check

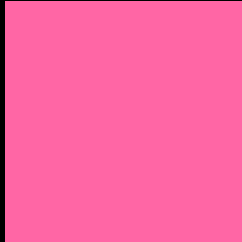
Large Text (above 18pt) WCAG AA × Fail

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 52.7829, 33.4794, 39.2775 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 52.7829, 33.4794, 39.2775

Background



This preview shows how black text looks on a background with the XYZ color 52.7829, 33.4794, 39.2775.



This preview shows how white text looks on a background with the XYZ color 52.7829, 33.4794,

39.2775.

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

52.7829, 33.4794, 39.2775

Protanopia

33.8842, 33.6772, 58.7473

Deuteranopia

34.3273, 33.6615, 36.5864



Tritanopia

48.9076, 33.4295, 21.3276

Trichromacy



Original Color

52.7829, 33.4794, 39.2775



Protanomaly

38.0235, 31.6353, 51.1159



Deuteranomaly

39.2274, 32.1448, 37.3948



Tritanomaly

49.9514, 33.1981, 27.0677

Monochromacy



Original Color

52.7829, 33.4794, 39.2775



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

36.5480, 31.1879, 36.8945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7829, 33.4794, 39.2775 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 165) }
```

Border

The CSS property to change the border of an element to XYZ 52.7829, 33.4794, 39.2775 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, 165) }
```


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

```
.border{ border-color:rgb(255, 102, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7829, 33.4794, 39.2775 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, 165) }
```

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

```
.background{ background-color: rgb(255,  
102, 165) }
```

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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