

Converting Colors

XYZ(52.2847, 33.2841, 36.6421)

Have a look what the booklet for
XYZ(52.2847, 33.2841, 36.6421)
contains.

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Color

**XYZ(52.2494, 33.2659,
36.4680)**

Conversions

Conversions Part 1

Format	Color
Hex	FF669F
RGB	255, 102, 159
RGB Percent	100%, 40%, 62%
CMY	0.0000, 0.6000, 0.3765
CMYK	0.00, 0.60, 0.38, 0.00
HSL	338°, 100%, 70%
HSV	338°, 60%, 100%
XYZ	52.2494, 33.2659, 36.4680
YIQ	154.2450, 72.8910, 50.1630

Conversions

Conversions Part 2

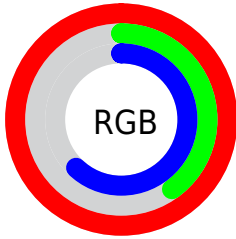
Format	Color
R_{YB}	255, 102, 159
Decimal	16737951
CIE _{Lab}	64.38, 63.14, -0.31
CIE _{LCh}	64, 63.146, 359.715
Yxy	33.2659, 0.4283, 0.2727
Android (android.graphics.Color)	4294928031 (0xFFFF669F)
YUV	154.2450, 2.3442, 88.3621
Hunter-Lab	57.6766, 60.7696, 2.8855

Details

The XYZ color **52.2494, 33.2659, 36.4680** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.4344, 78.4229, 65.8570**, and the grayscale version is **30.7916, 32.3952, 35.2784**.

A 20% lighter version of the original color is **65.7757, 50.9113, 69.9784**, and **25.7478, 14.1379, 15.5592** is the 20% darker color. If you saturate the color by 10%, you get **48.8175, 28.4824, 28.9112**, and if you desaturate by 10%, it is **56.6332, 39.6656, 45.2295**.

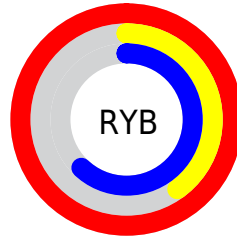
Distribution



Red (100%)

Green (40%)

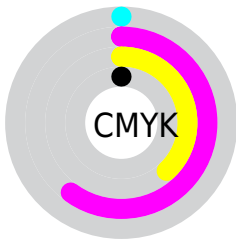
Blue (62%)



Red (100%)

Yellow (40%)

Blue (62%)

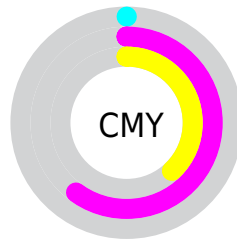


Cyan (0%)

Magenta (60%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2494, 33.2659, 36.4680 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 52.2494, 33.2659, 36.4680 by changing the saturation by 10% instead.


 52.2494, 33.2659,
36.4680


 52.2494, 33.2659,
36.4680


385.7068,
316.8462, 346.1006


 37.4290, 22.3302,
24.5033


 92.6710, 64.7904,
70.9310


 25.7150, 14.0997,
15.4917


 119.0029, 86.1481,
94.2663

 16.7421, 8.1901,
9.0148


 149.9026,
111.7485, 122.2290

 10.1450, 4.2168,
4.6539

 185.7356,
141.9761, 155.2374

 5.5582, 1.7956,
1.9905

226.8672,
177.2153, 193.7103

 2.6164, 0.4844,
0.5494

273.6627,

 0.9543, 0.0000,

217.8504, 238.0661

0.0000

326.4874,
264.2659, 288.7233

■ 0.0000, 0.0000,
0.0000

■ 52.2494, 33.2659,
36.4680

■ 52.2494, 33.2659,
36.4680

■ 48.8175, 28.4824,
28.9112

■ 56.6332, 39.6656,
45.2295

■ 46.2549, 25.1607,
22.4970

■ 62.0368, 47.8069,
55.2494

■ 44.4678, 23.1249,
17.1583

■ 68.5246, 57.8086,
66.5799

■ 43.3055, 22.0864,
12.8065

■ 76.1547, 69.7777,
79.2693

■ 43.3052, 22.0861,
12.8052

■ 84.9809, 83.8127,
93.3634

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.



49.0206, 33.2659, 67.3686



52.2494, 33.2659, 36.4680



49.1360, 33.2659, 16.8038

Triad

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



52.2494, 33.2659, 36.4680



23.7994, 33.2659, 7.9912



23.6762, 33.2659, 98.0078

Complementary

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



52.2494, 33.2659, 36.4680



51.4344, 78.4229, 65.8570

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.



18.8543, 33.2659, 66.7249



52.2494, 33.2659, 36.4680



18.9154, 33.2659, 16.5492

Square

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



52.2494, 33.2659, 36.4680



31.7044, 33.2659, 5.8421



17.2893, 33.2659, 35.9749



31.5322, 33.2659, 111.7222

Rectangle

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



52.2494, 33.2659, 36.4680



44.1663, 33.2659, 10.0579



17.2893, 33.2659, 35.9749



21.7051, 33.2659, 88.6422

Sweetspot

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



52.2503, 33.2676, 36.4686



77.8198, 72.4119, 81.9698



45.6592, 28.5076, 97.7038



16.1406, 14.6833, 16.7065



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.



52.2503, 33.2676, 36.4686



48.2372, 27.7049, 27.5367



50.3380, 35.6182, 16.7945



18.2892, 18.0990, 20.1400



22.6940, 11.5669, 7.0389



2.2604, 1.1465, 0.9526

Inverse Universe

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



52.2503, 33.2676, 36.4686



48.2372, 27.7049, 27.5367



53.8584, 70.7011, 105.4158



18.2892, 18.0990, 20.1400



22.6940, 11.5669, 7.0389



2.2604, 1.1465, 0.9526

Previews

White Background



This preview shows how the XYZ color 52.2494, 33.2659, 36.4680 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 52.2494, 33.2659, 36.4680 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 52.2494, 33.2659, 36.4680

Background



This preview shows how black text looks on a background with the XYZ color 52.2494, 33.2659, 36.4680.



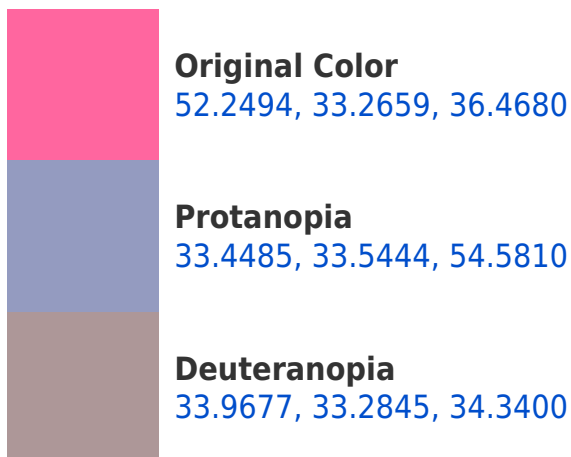
This preview shows how white text looks on a background with the XYZ color 52.2494, 33.2659, 36.4680.

36.4680.

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

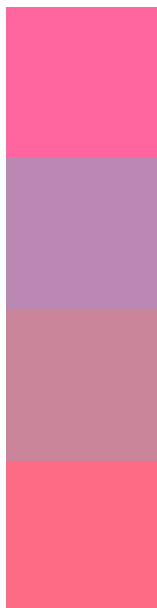




Tritanopia

48.9908, 33.1553, 20.9571

Trichromacy



Original Color

52.2494, 33.2659, 36.4680

Protanomaly

37.5359, 31.4684, 47.2757

Deuteranomaly

38.9325, 31.8381, 35.1038

Tritanomaly

49.9993, 33.0915, 25.9423

Monochromacy



Original Color

52.2494, 33.2659, 36.4680

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

36.1506, 30.8046, 35.4930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2494, 33.2659, 36.4680 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 159) }
```

Border

The CSS property to change the border of an element to XYZ 52.2494, 33.2659, 36.4680 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, 159) }
```


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

```
.border{ border-color:rgb(255, 102, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2494, 33.2659, 36.4680 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
102, 159) }
```

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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