

Converting Colors

XYZ(51.2703, 32.8743, 31.3122)

Have a look what the booklet for
XYZ(51.2703, 32.8743, 31.3122)
contains.

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Color

**XYZ(51.2578, 32.8693,
31.2466)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6693
RGB	255, 102, 147
RGB Percent	100%, 40%, 58%
CMY	0.0000, 0.6000, 0.4235
CMYK	0.00, 0.60, 0.42, 0.00
HSL	342°, 100%, 70%
HSV	342°, 60%, 100%
XYZ	51.2578, 32.8693, 31.2466
YIQ	152.8770, 76.7430, 46.4310

Conversions

Conversions Part 2

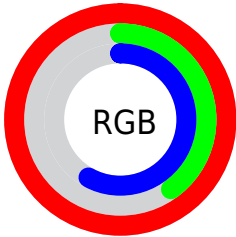
Format	Color
RYB	255, 102, 147
Decimal	16737939
CIELab	64.05, 61.92, 6.11
CIElCh	64, 62.220, 5.632
Yxy	32.8693, 0.4443, 0.2849
Android (android.graphics.Color)	4294928019 (0xFFFF6693)
YUV	152.8770, -2.8974, 89.5619
Hunter-Lab	57.3318, 59.2584, 7.8184

Details

The XYZ color **51.2578, 32.8693, 31.2466** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.8743, 78.9987, 73.4395**, and the grayscale version is **30.2149, 31.7885, 34.6176**.

A 20% lighter version of the original color is **64.1808, 50.2733, 61.5794**, and **25.1987, 13.9183, 12.6676** is the 20% darker color. If you saturate the color by 10%, you get **47.8220, 28.0842, 23.6691**, and if you desaturate by 10%, it is **55.6869, 39.2872, 40.2462**.

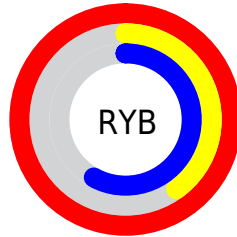
Distribution



Red (100%)

Green (40%)

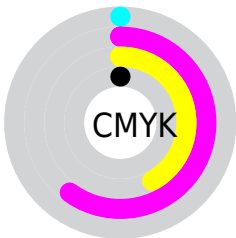
Blue (58%)



Red (100%)

Yellow (40%)

Blue (58%)

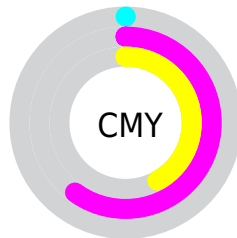


Cyan (0%)

Magenta (60%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (60%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2578, 32.8693, 31.2466 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 51.2578, 32.8693, 31.2466 by changing the saturation by 10% instead.


 51.2578, 32.8693,
31.2466


 51.2578, 32.8693,
31.2466


381.9357,
315.0604, 322.0591


 36.6357, 22.0263,
20.5267


 91.2165, 64.1714,
62.7122


 25.0979, 13.8763,
12.5906


 117.2837, 85.3994,
84.2950

 16.2792, 8.0346,
7.0198


 147.8967,
110.8578, 110.3358

 9.8140, 4.1171,
3.3959

 183.4209,
140.9310, 141.2532

 5.3371, 1.7393,
1.3002

224.2215,
176.0035, 177.4656

 2.4832, 0.4489,
0.0619

270.6639,

 0.8868, 0.0000,

216.4596, 219.3918

0.0000

323.1136,
262.6838, 267.4501

■ 0.0000, 0.0000,
0.0000

■ 51.2578, 32.8693,
31.2466

■ 51.2578, 32.8693,
31.2466

■ 47.8220, 28.0842,
23.6691

■ 55.6869, 39.2872,
40.2462

■ 45.2933, 24.7761,
17.4336

■ 61.1801, 47.4643,
50.7381

■ 43.5742, 22.7675,
12.4534

■ 67.8048, 57.5208,
62.7894

■ 42.5099, 21.7681,
8.6172

■ 75.6216, 69.5646,
76.4624

■ 42.5096, 21.7678,
8.6161

■ 84.6870, 83.6953,
91.8161

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.



49.3023, 32.8693, 59.7034



51.2578, 32.8693, 31.2466



47.0884, 32.8693, 14.3495

Triad

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



51.2578, 32.8693, 31.2466



22.3940, 32.8693, 9.1038



24.7743, 32.8693, 100.4579

Complementary

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



51.2578, 32.8693, 31.2466



52.8743, 78.9987, 73.4395

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.



19.4203, 32.8693, 72.0380



51.2578, 32.8693, 31.2466



18.2372, 32.8693, 19.3033

Square

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



51.2578, 32.8693, 31.2466



29.6121, 32.8693, 5.9997



17.2606, 32.8693, 40.7518



32.9292, 32.8693, 108.7936

Rectangle

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



51.2578, 32.8693, 31.2466



41.7854, 32.8693, 8.8603



17.2606, 32.8693, 40.7518



22.6393, 32.8693, 92.4478

Sweetspot

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



51.2587, 32.8711, 31.2472



77.3302, 72.2161, 79.3918



49.1257, 30.2947, 97.8658



16.0224, 14.6360, 16.0841



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.



51.2587, 32.8711, 31.2472



47.2456, 27.3083, 22.3150



51.9725, 38.8871, 17.3394



18.2291, 18.0750, 19.8236



22.2686, 11.3967, 4.7987



2.2135, 1.1278, 0.7059

Inverse Universe

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



51.2587, 32.8711, 31.2472



47.2456, 27.3083, 22.3150



50.2942, 63.5727, 104.2275



18.2291, 18.0750, 19.8236



22.2686, 11.3967, 4.7987



2.2135, 1.1278, 0.7059

Previews

White Background



This preview shows how the XYZ color 51.2578, 32.8693, 31.2466 looks on a white background.

Color Contrast Check

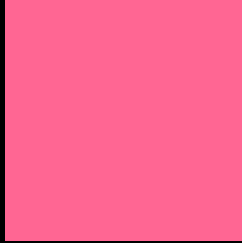
Large Text (above 18pt) WCAG AA × Fail

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 51.2578, 32.8693, 31.2466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

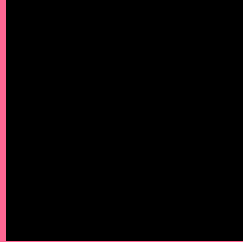
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2578, 32.8693, 31.2466

Background



This preview shows how black text looks on a background with the XYZ color 51.2578, 32.8693, 31.2466.



This preview shows how white text looks on a background with the XYZ color 51.2578, 32.8693,

31.2466.

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

51.2578, 32.8693, 31.2466

Protanopia

32.4403, 32.9609, 46.2473

Deuteranopia

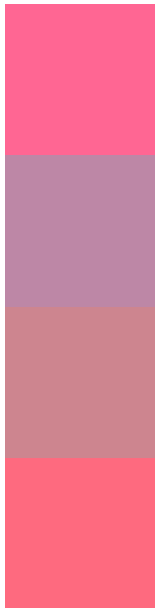
33.5445, 32.9362, 29.4003



Tritanopia

48.9651, 32.8456, 19.9787

Trichromacy



Original Color

51.2578, 32.8693, 31.2466

Protanomaly

36.5332, 30.8999, 40.1152

Deuteranomaly

38.5223, 31.7374, 30.0822

Tritanomaly

49.8578, 32.9112, 23.8034

Monochromacy



Original Color

51.2578, 32.8693, 31.2466

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

35.3462, 30.2317, 33.2505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2578, 32.8693, 31.2466 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 147) }
```

Border

The CSS property to change the border of an element to XYZ 51.2578, 32.8693, 31.2466 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, 147) }
```


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

```
.border{ border-color:rgb(255, 102, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2578, 32.8693, 31.2466 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, 147) }
```

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

```
.background{ background-color: rgb(255,  
102, 147) }
```

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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