

Converting Colors

XYZ(51.1680, 32.8345, 30.7703)

Have a look what the booklet for
XYZ(51.1680, 32.8345, 30.7703)
contains.

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Color

**XYZ(51.1797, 32.8381,
30.8350)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6692
RGB	255, 102, 146
RGB Percent	100%, 40%, 57%
CMY	0.0000, 0.6000, 0.4274
CMYK	0.00, 0.60, 0.43, 0.00
HSL	343°, 100%, 70%
HSV	343°, 60%, 100%
XYZ	51.1797, 32.8381, 30.8350
YIQ	152.7630, 77.0640, 46.1200

Conversions

Conversions Part 2

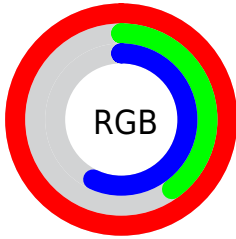
Format	Color
R_{YB}	255, 102, 146
Decimal	16737938
CIE _{Lab}	64.03, 61.82, 6.64
CIE _{LCh}	64, 62.178, 6.134
Yxy	32.8381, 0.4456, 0.2859
Android (android.graphics.Color)	4294928018 (0xFFFF6692)
YUV	152.7630, -3.3342, 89.6618
Hunter-Lab	57.3045, 59.1386, 8.2098

Details

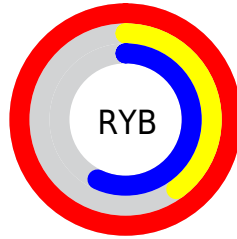
The XYZ color **51.1797, 32.8381, 30.8350** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.9994, 79.0488, 74.0982**, and the grayscale version is **30.1672, 31.7383, 34.5630**.

A 20% lighter version of the original color is **64.0635, 50.2264, 60.9617**, and **25.1524, 13.8997, 12.4236** is the 20% darker color. If you saturate the color by 10%, you get **47.7449, 28.0534, 23.2629**, and if you desaturate by 10%, it is **55.6113, 39.2570, 39.8480**.

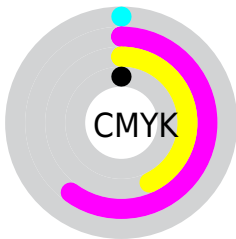
Distribution



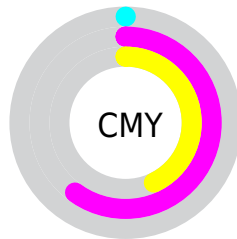
- Red (100%)
- Green (40%)
- Blue (57%)



- Red (100%)
- Yellow (40%)
- Blue (57%)



- Cyan (0%)
- Magenta (60%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1797, 32.8381, 30.8350 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 51.1797, 32.8381, 30.8350 by changing the saturation by 10% instead.


 51.1797, 32.8381,
30.8350


 51.1797, 32.8381,
30.8350


381.6377,
314.9196, 320.1051


 36.5733, 22.0024,
20.2158


 91.1018, 64.1227,
62.0567


 25.0494, 13.8587,
12.3664


 117.1481, 85.3404,
83.4964

 16.2428, 8.0225,
6.8682


 147.7384,
110.7876, 109.3799

 9.7881, 4.1093,
3.3026

 183.2381,
140.8487, 140.1259

 5.3199, 1.7349,
1.2511

224.0126,
175.9080, 176.1529

 2.4728, 0.4461,
0.0212

270.4271,

 0.8816, 0.0000,

216.3500, 217.8794

0.0000

322.8470,
262.5591, 265.7239

■ 0.0000, 0.0000,
0.0000

■ 51.1797, 32.8381,
30.8350

■ 51.1797, 32.8381,
30.8350

■ 47.7449, 28.0534,
23.2629

■ 55.6113, 39.2570,
39.8480

■ 45.2205, 24.7469,
17.0497

■ 61.1109, 47.4367,
50.3735

■ 43.5084, 22.7412,
12.1068

■ 67.7461, 57.4975,
62.4801

■ 42.4536, 21.7456,
8.3206

■ 75.5779, 69.5472,
76.2316

■ 42.4533, 21.7453,
8.3194

■ 84.6628, 83.6857,
91.6881

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.



49.3300, 32.8381, 59.0943



51.1797, 32.8381, 30.8350



46.9233, 32.8381, 14.1554

Triad

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



51.1797, 32.8381, 30.8350



22.2797, 32.8381, 9.2009



24.8688, 32.8381, 100.6761

Complementary

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



51.1797, 32.8381, 30.8350



52.9994, 79.0488, 74.0982

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.



19.4686, 32.8381, 72.5022



51.1797, 32.8381, 30.8350



18.1816, 32.8381, 19.5472

Square

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



51.1797, 32.8381, 30.8350



29.4427, 32.8381, 6.0125



17.2584, 32.8381, 41.1726



33.0500, 32.8381, 108.5631

Rectangle

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



51.1797, 32.8381, 30.8350



41.5931, 32.8381, 8.7641



17.2584, 32.8381, 41.1726



22.7196, 32.8381, 92.7812

Sweetspot

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



51.1806, 32.8399, 30.8356



77.2898, 72.1999, 79.1794



49.1258, 30.2948, 97.8659



16.0127, 14.6321, 16.0329



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.



51.1806, 32.8399, 30.8356



47.1691, 27.2776, 21.9118



51.9725, 38.8872, 17.3395



18.2241, 18.0730, 19.7974



22.2382, 11.3846, 4.6389



2.2100, 1.1264, 0.6875

Inverse Universe

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



51.1806, 32.8399, 30.8356



47.1691, 27.2776, 21.9118



50.2943, 63.5728, 104.2276



18.2241, 18.0730, 19.7974



22.2382, 11.3846, 4.6389



2.2100, 1.1264, 0.6875

Previews

White Background



This preview shows how the XYZ color 51.1797, 32.8381, 30.8350 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 51.1797, 32.8381, 30.8350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

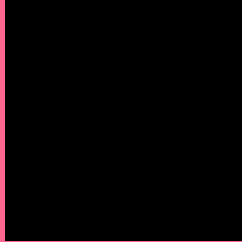
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1797, 32.8381, 30.8350

Background



This preview shows how black text looks on a background with the XYZ color 51.1797, 32.8381, 30.8350.



This preview shows how white text looks on a background with the XYZ color 51.1797, 32.8381,

30.8350.

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

51.1797, 32.8381, 30.8350

Protanopia

32.3410, 32.9212, 45.7242

Deuteranopia

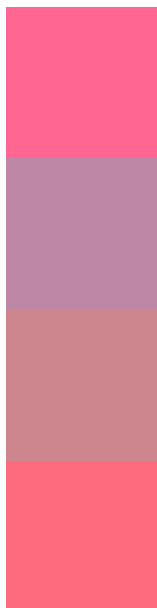
33.6980, 33.0239, 29.0243



Tritanopia

48.9651, 32.8456, 19.9787

Trichromacy



Original Color

51.1797, 32.8381, 30.8350

Protanomaly

36.4418, 30.8634, 39.6338

Deuteranomaly

38.4469, 31.7072, 29.6849

Tritanomaly

49.7930, 32.8853, 23.4618

Monochromacy



Original Color

51.1797, 32.8381, 30.8350

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

35.2653, 30.1994, 32.8245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1797, 32.8381, 30.8350 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 146) }
```

Border

The CSS property to change the border of an element to XYZ 51.1797, 32.8381, 30.8350 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, 146) }
```


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

```
.border{ border-color:rgb(255, 102, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1797, 32.8381, 30.8350 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, 146) }
```

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

```
.background{ background-color: rgb(255,  
102, 146) }
```

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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