

Converting Colors

XYZ(51.3905, 32.9224, 31.9452)

Have a look what the booklet for
XYZ(51.3905, 32.9224, 31.9452)
contains.

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Color

**XYZ(51.4162, 32.9327,
32.0805)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6695
RGB	255, 102, 149
RGB Percent	100%, 40%, 58%
CMY	0.0000, 0.6000, 0.4157
CMYK	0.00, 0.60, 0.42, 0.00
HSL	342°, 100%, 70%
HSV	342°, 60%, 100%
XYZ	51.4162, 32.9327, 32.0805
YIQ	153.1050, 76.1010, 47.0530

Conversions

Conversions Part 2

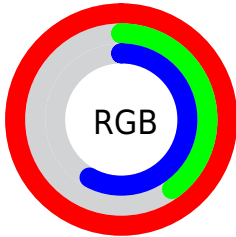
Format	Color
R_{YB}	255, 102, 149
Decimal	16737941
CIE _{Lab}	64.11, 62.12, 5.03
CIE _{LCh}	64, 62.320, 4.631
Yxy	32.9327, 0.4416, 0.2829
Android (android.graphics.Color)	4294928021 (0xFFFF6695)
YUV	153.1050, -2.0238, 89.3619
Hunter-Lab	57.3870, 59.5007, 7.0266

Details

The XYZ color **51.4162, 32.9327, 32.0805** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.6267, 78.8997, 72.1353**, and the grayscale version is **30.3107, 31.8892, 34.7274**.

A 20% lighter version of the original color is **64.4176, 50.3681, 62.8267**, and **25.2932, 13.9561, 13.1651** is the 20% darker color. If you saturate the color by 10%, you get **47.9790, 28.1470, 24.4955**, and if you desaturate by 10%, it is **55.8397, 39.3483, 41.0506**.

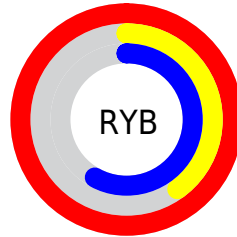
Distribution



Red (100%)

Green (40%)

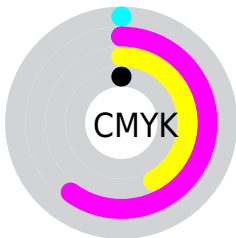
Blue (58%)



Red (100%)

Yellow (40%)

Blue (58%)

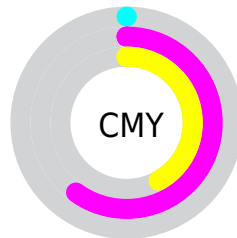


Cyan (0%)

Magenta (60%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4162, 32.9327, 32.0805 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 51.4162, 32.9327, 32.0805 by changing the saturation by 10% instead.


 51.4162, 32.9327,
32.0805


 51.4162, 32.9327,
32.0805


382.5397,
315.3464, 325.9898


 36.7623, 22.0749,
21.1577

 91.4490, 64.2704,
64.0366


 25.1964, 13.9119,
13.0469


 117.5587, 85.5192,
85.9070

 16.3529, 8.0594,
7.3298


 148.2177,
111.0003, 112.2637

 9.8667, 4.1330,
3.5876

 183.7913,
141.0983, 143.5251

 5.3722, 1.7482,
1.4020

224.6450,
176.1975, 180.1099

 2.5043, 0.4546,
0.1432

271.1441,

 0.8974, 0.0000,

216.6823, 222.4366

0.0000

323.6538,
262.9371, 270.9237

■ 0.0000, 0.0000,
0.0000

■ 51.4162, 32.9327,
32.0805

■ 51.4162, 32.9327,
32.0805

■ 47.9790, 28.1470,
24.4955

■ 55.8397, 39.3483,
41.0506

■ 45.4424, 24.8357,
18.2187

■ 61.3197, 47.5202,
51.4726

■ 43.7098, 22.8217,
13.1671

■ 67.9229, 57.5682,
63.4111

■ 42.6271, 21.8150,
9.2340

■ 75.7097, 69.5999,
76.9257

■ 42.6267, 21.8147,
9.2328

■ 84.7359, 83.7150,
92.0729

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.



49.2490, 32.9327, 60.9348



51.4162, 32.9327, 32.0805



47.4211, 32.9327, 14.7425

Triad

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



51.4162, 32.9327, 32.0805



22.6240, 32.9327, 8.9117



24.5869, 32.9327, 100.0283

Complementary

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



51.4162, 32.9327, 32.0805



52.6267, 78.8997, 72.1353

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.



19.3242, 32.9327, 71.1201



51.4162, 32.9327, 32.0805



18.3491, 32.9327, 18.8226

Square

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



51.4162, 32.9327, 32.0805



29.9531, 32.9327, 5.9741



17.2651, 32.9327, 39.9212



32.6898, 32.9327, 109.2607

Rectangle

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



51.4162, 32.9327, 32.0805



42.1729, 32.9327, 9.0544



17.2651, 32.9327, 39.9212



22.4802, 32.9327, 91.7888

Sweetspot

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



51.4171, 32.9345, 32.0811



77.4111, 72.2484, 79.8177



48.4096, 29.9256, 97.8324



16.0419, 14.6438, 16.1867



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.



51.4171, 32.9345, 32.0811



47.4015, 27.3706, 23.1355



51.6289, 38.2000, 17.2249



18.2391, 18.0789, 19.8761



22.3316, 11.4219, 5.1305



2.2207, 1.1307, 0.7436

Inverse Universe

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



51.4171, 32.9345, 32.0811



47.4015, 27.3706, 23.1355



50.9863, 64.9570, 104.4583



18.2391, 18.0789, 19.8761



22.3316, 11.4219, 5.1305



2.2207, 1.1307, 0.7436

Previews

White Background



This preview shows how the XYZ color 51.4162, 32.9327, 32.0805 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 51.4162, 32.9327, 32.0805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

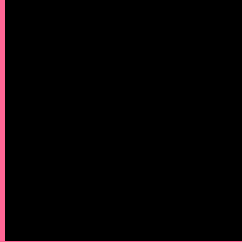
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.4162, 32.9327, 32.0805

Background



This preview shows how black text looks on a background with the XYZ color 51.4162, 32.9327, 32.0805.



This preview shows how white text looks on a background with the XYZ color 51.4162, 32.9327,

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

51.4162, 32.9327, 32.0805

Protanopia

32.5563, 32.9858, 47.8310

Deuteranopia

33.6933, 32.9958, 30.1842



Tritanopia

49.1290, 33.0809, 20.3189

Trichromacy



Original Color

51.4162, 32.9327, 32.0805



Protanomaly

36.8117, 31.0113, 41.5817



Deuteranomaly

38.6752, 31.7985, 30.8874



Tritanomaly

49.9234, 32.9374, 24.1484

Monochromacy



Original Color

51.4162, 32.9327, 32.0805



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

35.4278, 30.2643, 33.6801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4162, 32.9327, 32.0805 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 149) }
```

Border

The CSS property to change the border of an element to XYZ 51.4162, 32.9327, 32.0805 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, 149) }
```


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

```
.border{ border-color:rgb(255, 102, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4162, 32.9327, 32.0805 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, 149) }
```

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

```
.background{ background-color: rgb(255,  
102, 149) }
```

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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