

Converting Colors

XYZ(51.0901, 32.8022, 30.3633)

Have a look what the booklet for
XYZ(51.0901, 32.8022, 30.3633)
contains.

XYZ(51.1022, 32.8071, 30.4271)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.1022, 32.8071,
30.4271)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6691
RGB	255, 102, 145
RGB Percent	100%, 40%, 57%
CMY	0.0000, 0.6000, 0.4314
CMYK	0.00, 0.60, 0.43, 0.00
HSL	343°, 100%, 70%
HSV	343°, 60%, 100%
XYZ	51.1022, 32.8071, 30.4271
YIQ	152.6490, 77.3850, 45.8090

Conversions

Conversions Part 2

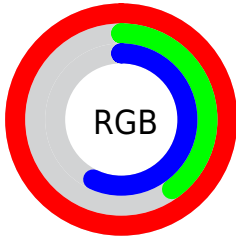
Format	Color
R _Y B	255, 102, 145
Decimal	16737937
CIE Lab	64.00, 61.73, 7.18
CIE LCh	64, 62.141, 6.637
Yxy	32.8071, 0.4469, 0.2869
Android (android.graphics.Color)	4294928017 (0xFFFF6691)
YUV	152.6490, -3.7710, 89.7618
Hunter-Lab	57.2775, 59.0197, 8.5980

Details

The XYZ color **51.1022, 32.8071, 30.4271** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.1251, 79.0990, 74.7604**, and the grayscale version is **30.1195, 31.6881, 34.5083**.

A 20% lighter version of the original color is **63.9469, 50.1798, 60.3481**, and **25.1066, 13.8814, 12.1826** is the 20% darker color. If you saturate the color by 10%, you get **47.6686, 28.0229, 22.8614**, and if you desaturate by 10%, it is **55.5361, 39.2269, 39.4524**.

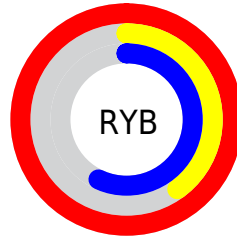
Distribution



Red (100%)

Green (40%)

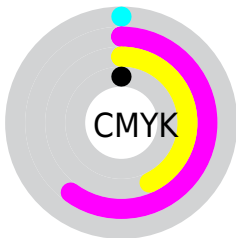
Blue (57%)



Red (100%)

Yellow (40%)

Blue (57%)

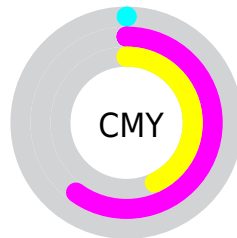


Cyan (0%)

Magenta (60%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1022, 32.8071, 30.4271 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 51.1022, 32.8071, 30.4271 by changing the saturation by 10% instead.


 51.1022, 32.8071,
30.4271


 51.1022, 32.8071,
30.4271

381.3418,
314.7796, 318.1593


 36.5113, 21.9787,
19.9082


 90.9879, 64.0742,
61.4059

 25.0013, 13.8413,
12.1449


 117.0135, 85.2818,
82.7029

 16.2068, 8.0103,
6.7187


 147.5813,
110.7179, 108.4297

 9.7624, 4.1016,
3.2110

 183.0567,
140.7668, 139.0048

 5.3027, 1.7305,
1.2034

223.8051,
175.8131, 174.8468

 2.4625, 0.4433,
0.0000

270.1919,

 0.8764, 0.0000,

216.2410, 216.3742

0.0000

322.5824,
262.4351, 264.0055

■ 0.0000, 0.0000,
0.0000

■ 51.1022, 32.8071,
30.4271

■ 51.1022, 32.8071,
30.4271

■ 47.6686, 28.0229,
22.8614

■ 55.5361, 39.2269,
39.4524

■ 45.1486, 24.7182,
16.6717

■ 61.0420, 47.4092,
50.0106

■ 43.4439, 22.7153,
11.7671

■ 67.6875, 57.4740,
62.1719

■ 42.3988, 21.7237,
8.0319

■ 75.5341, 69.5297,
76.0012

■ 42.3984, 21.7234,
8.0308

■ 84.6385, 83.6760,
91.5600

95.0499, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.3583, 32.8071, 58.4900



51.1022, 32.8071, 30.4271



46.7591, 32.8071, 13.9630

Triad

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



51.1022, 32.8071, 30.4271



22.1658, 32.8071, 9.2986



24.9637, 32.8071, 100.8961

Complementary

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



51.1022, 32.8071, 30.4271



53.1251, 79.0990, 74.7604

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.



19.5171, 32.8071, 72.9694



51.1022, 32.8071, 30.4271



18.1260, 32.8071, 19.7931

Square

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



51.1022, 32.8071, 30.4271



29.2742, 32.8071, 6.0251



17.2563, 32.8071, 41.5967



33.1713, 32.8071, 108.3346

Rectangle

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



51.1022, 32.8071, 30.4271



41.4017, 32.8071, 8.6684



17.2563, 32.8071, 41.5967



22.8001, 32.8071, 93.1169

Sweetspot

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



51.1031, 32.8089, 30.4277



77.2496, 72.1838, 78.9674



49.8535, 30.6700, 97.8998



16.0030, 14.6282, 15.9818



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.



51.1031, 32.8089, 30.4277



47.0935, 27.2474, 21.5138



52.3245, 39.5913, 17.4568



18.2192, 18.0710, 19.7712



22.2086, 11.3727, 4.4831



2.2066, 1.1250, 0.6694

Inverse Universe

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



51.1031, 32.8089, 30.4277



47.0935, 27.2474, 21.5138



49.6124, 62.2092, 104.0002



18.2192, 18.0710, 19.7712



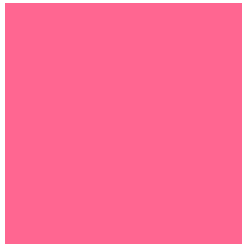
22.2086, 11.3727, 4.4831



2.2066, 1.1250, 0.6694

Previews

White Background



This preview shows how the XYZ color 51.1022, 32.8071, 30.4271 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 51.1022, 32.8071, 30.4271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

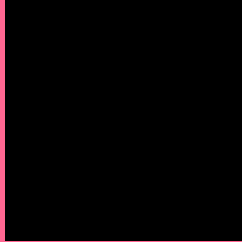
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1022, 32.8071, 30.4271

Background



This preview shows how black text looks on a background with the XYZ color 51.1022, 32.8071, 30.4271.



This preview shows how white text looks on a background with the XYZ color 51.1022, 32.8071,

30.4271.

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

51.1022, 32.8071, 30.4271

Protanopia

32.2424, 32.8817, 45.2049

Deuteranopia

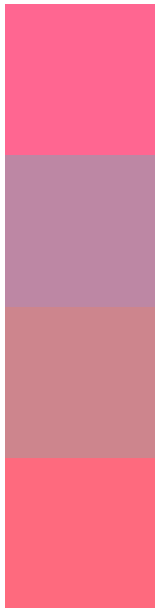
33.6253, 32.9948, 28.6411



Tritanopia

48.9651, 32.8456, 19.9787

Trichromacy



Original Color

51.1022, 32.8071, 30.4271

Protanomaly

36.3511, 30.8271, 39.1563

Deuteranomaly

38.3721, 31.6773, 29.2912

Tritanomaly

49.7930, 32.8853, 23.4618

Monochromacy



Original Color

51.1022, 32.8071, 30.4271

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 51.1022, 32.8071, 30.4271 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 145) }
```

Border

The CSS property to change the border of an element to XYZ 51.1022, 32.8071, 30.4271 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, 145) }
```


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

```
.border{ border-color:rgb(255, 102, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1022, 32.8071, 30.4271 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, 145) }
```

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

```
.background{ background-color: rgb(255,  
102, 145) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor