

Converting Colors

XYZ(51.0088, 32.3749, 31.1526)

Have a look what the booklet for
XYZ(51.0088, 32.3749, 31.1526)
contains.

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Color

**XYZ(50.9683, 32.2903,
31.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6393
RGB	255, 99, 147
RGB Percent	100%, 39%, 58%
CMY	0.0000, 0.6117, 0.4235
CMYK	0.00, 0.61, 0.42, 0.00
HSL	342°, 100%, 69%
HSV	342°, 61%, 100%
XYZ	50.9683, 32.2903, 31.1501
YIQ	151.1160, 77.5680, 48.0000

Conversions

Conversions Part 2

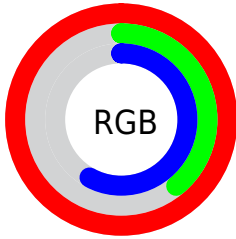
Format	Color
R _Y B	255, 99, 147
Decimal	16737171
CIE Lab	63.58, 63.19, 5.43
CIE LCh	64, 63.423, 4.908
Yxy	32.2903, 0.4455, 0.2822
Android (android.graphics.Color)	4294927251 (0xFFFF6393)
YUV	151.1160, -2.0292, 91.1063
Hunter-Lab	56.8246, 60.6611, 7.2756

Details

The XYZ color **50.9683, 32.2903, 31.1501** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.1701, 78.6784, 71.4738**, and the grayscale version is **29.4516, 30.9854, 33.7431**.

A 20% lighter version of the original color is **63.6711, 49.2540, 61.4095**, and **25.0367, 13.5942, 12.6136** is the 20% darker color. If you saturate the color by 10%, you get **47.6416, 27.6865, 23.7227**, and if you desaturate by 10%, it is **55.2718, 38.5074, 39.9526**.

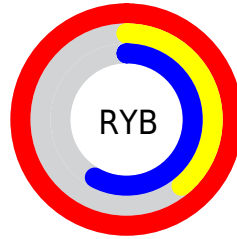
Distribution



Red (100%)

Green (39%)

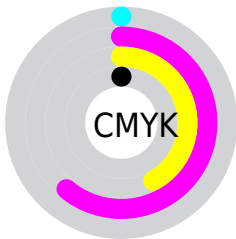
Blue (58%)



Red (100%)

Yellow (39%)

Blue (58%)

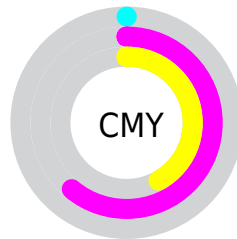


Cyan (0%)

Magenta (61%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9683, 32.2903, 31.1501 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 50.9683, 32.2903, 31.1501 by changing the saturation by 10% instead.


 50.9683, 32.2903,
31.1501


 50.9683, 32.2903,
31.1501

380.8303,
312.4395, 321.6018


 36.4043, 21.5833,
20.4537


 90.7912, 63.2659,
62.5587


 24.9182, 13.5511,
12.5380


 116.7808, 84.3033,
84.1079

 16.1445, 7.8091,
6.9842


 147.3097,
109.5530, 110.1120

 9.7180, 3.9730,
3.3739

 182.7431,
139.3994, 140.9892

 5.2732, 1.6585,
1.2886

223.4466,
174.2269, 177.1583

 2.4448, 0.3966,
0.0524

269.7854,

 0.8675, 0.0000,

214.4198, 219.0378

0.0000

322.1248,
260.3625, 267.0461

■ 0.0000, 0.0000,
0.0000

■ 50.9683, 32.2903,
31.1501

■ 50.9683, 32.2903,
31.1501

■ 47.6416, 27.6865,
23.7227

■ 55.2718, 38.5074,
39.9526

■ 45.2047, 24.5376,
17.5929

■ 60.6234, 46.4659,
50.1979

■ 43.5587, 22.6622,
12.6767

■ 67.0905, 56.2871,
61.9506

■ 42.6313, 21.8165,
9.2571

■ 74.7339, 68.0797,
75.2709

■ 83.6101, 81.9441,
90.2155

93.7716, 97.9740,
106.8381

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.



48.8334, 32.2903, 60.1512



50.9683, 32.2903, 31.1501



46.8751, 32.2903, 13.9879

Triad

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



50.9683, 32.2903, 31.1501



21.9435, 32.2903, 8.4175



24.0231, 32.2903, 100.3734

Complementary

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



50.9683, 32.2903, 31.1501



52.1701, 78.6784, 71.4738

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.



18.7403, 32.2903, 71.0894



50.9683, 32.2903, 31.1501



17.7114, 32.2903, 18.2714

Square

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



50.9683, 32.2903, 31.1501



29.2574, 32.2903, 5.5198



16.6625, 32.2903, 39.4971



32.1706, 32.2903, 109.5384

Rectangle

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



50.9683, 32.2903, 31.1501



41.5546, 32.2903, 8.4521



16.6625, 32.2903, 39.4971



21.9077, 32.2903, 92.0403

Sweetspot

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



50.9692, 32.2920, 31.1507



77.4142, 72.2497, 79.8340



47.8562, 29.2105, 97.7234



16.0427, 14.6441, 16.1907



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.



50.9692, 32.2920, 31.1507



47.1326, 27.0073, 22.5081



51.1606, 37.4972, 16.3480



18.2395, 18.0791, 19.8781



22.3340, 11.4229, 5.1435



2.2210, 1.1308, 0.7451

Inverse Universe

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



50.9692, 32.2920, 31.1507



47.1326, 27.0073, 22.5081



50.5023, 64.4845, 104.3925



18.2395, 18.0791, 19.8781



22.3340, 11.4229, 5.1435



2.2210, 1.1308, 0.7451

Previews

White Background



This preview shows how the XYZ color 50.9683, 32.2903, 31.1501 looks on a white background.

Color Contrast Check

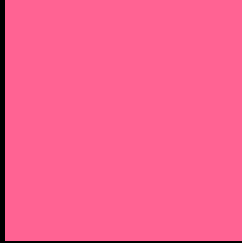
Large Text (above 18pt) WCAG AA × Fail

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 50.9683, 32.2903, 31.1501 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 50.9683, 32.2903, 31.1501

Background



This preview shows how black text looks on a background with the XYZ color 50.9683, 32.2903, 31.1501.



This preview shows how white text looks on a background with the XYZ color 50.9683, 32.2903,

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

50.9683, 32.2903, 31.1501

Protanopia

32.0048, 32.4808, 46.7021

Deuteranopia

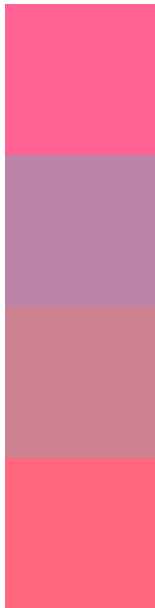
33.1603, 32.5023, 29.3368



Tritanopia

48.6427, 32.3830, 19.3096

Trichromacy



Original Color

50.9683, 32.2903, 31.1501

Protanomaly

36.1016, 30.2564, 40.4965

Deuteranomaly

37.9761, 31.0531, 29.9789

Tritanomaly

49.4250, 32.2520, 23.0223

Monochromacy



Original Color

50.9683, 32.2903, 31.1501

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

34.7426, 29.5234, 32.7216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9683, 32.2903, 31.1501 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, 99, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 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, 99, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 147) }
```

Border

The CSS property to change the border of an element to XYZ 50.9683, 32.2903, 31.1501 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, 99, 147) }
```


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

```
.border{ border-color:rgb(255, 99, 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, 99, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9683, 32.2903, 31.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 147) }
```

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

```
.background{ background-color: rgb(255, 99,  
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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