

Converting Colors

XYZ(51.3087, 32.8897, 31.5145)

Have a look what the booklet for
XYZ(51.3087, 32.8897, 31.5145)
contains.

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Color

**XYZ(51.3367, 32.9009,
31.6617)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6694
RGB	255, 102, 148
RGB Percent	100%, 40%, 58%
CMY	0.0000, 0.6000, 0.4196
CMYK	0.00, 0.60, 0.42, 0.00
HSL	342°, 100%, 70%
HSV	342°, 60%, 100%
XYZ	51.3367, 32.9009, 31.6617
YIQ	152.9910, 76.4220, 46.7420

Conversions

Conversions Part 2

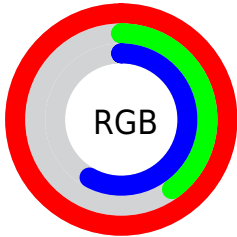
Format	Color
RYB	255, 102, 148
Decimal	16737940
CIELab	64.08, 62.02, 5.57
CIElCh	64, 62.267, 5.131
Yxy	32.9009, 0.4429, 0.2839
Android (android.graphics.Color)	4294928020 (0xFFFF6694)
YUV	152.9910, -2.4606, 89.4619
Hunter-Lab	57.3593, 59.3791, 7.4241

Details

The XYZ color **51.3367, 32.9009, 31.6617** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **52.7502, 78.9491, 72.7856**, and the grayscale version is **30.2628, 31.8389, 34.6725**.

A 20% lighter version of the original color is **64.2988, 50.3205, 62.2010**, and **25.2457, 13.9371, 12.9148** is the 20% darker color. If you saturate the color by 10%, you get **47.9001, 28.1155, 24.0799**, and if you desaturate by 10%, it is **55.7631, 39.3177, 40.6471**.

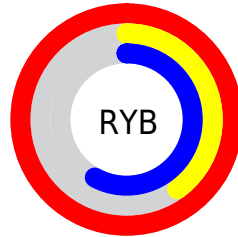
Distribution



Red (100%)

Green (40%)

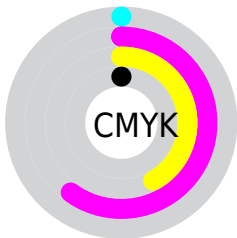
Blue (58%)



Red (100%)

Yellow (40%)

Blue (58%)

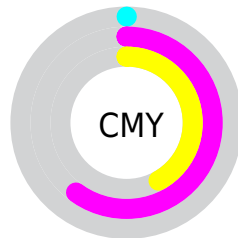


Cyan (0%)

Magenta (60%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3367, 32.9009, 31.6617 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 51.3367, 32.9009, 31.6617 by changing the saturation by 10% instead.


 51.3367, 32.9009,
31.6617


 51.3367, 32.9009,
31.6617


382.2367,
315.2029, 324.0204


 36.6988, 22.0505,
20.8406


 91.3323, 64.2208,
63.3721

 25.1470, 13.8940,
12.8174

 117.4207, 85.4591,
85.0984

 16.3159, 8.0470,
7.1737


 148.0566,
110.9288, 111.2969

 9.8402, 4.1250,
3.4909

 183.6054,
141.0144, 142.3861

 5.3546, 1.7438,
1.3504

224.4325,
176.1002, 178.7845

 2.4937, 0.4517,
0.1026

270.9031,

 0.8921, 0.0000,

216.5706, 220.9106

0.0000

323.3828,
262.8101, 269.1831

■ 0.0000, 0.0000,
0.0000

■ 51.3367, 32.9009,
31.6617

■ 51.3367, 32.9009,
31.6617

■ 47.9001, 28.1155,
24.0799

■ 55.7631, 39.3177,
40.6471

■ 45.3674, 24.8057,
17.8232

■ 61.2498, 47.4923,
51.1045

■ 43.6414, 22.7943,
12.8067

■ 67.8638, 57.5445,
63.0998

■ 42.5678, 21.7913,
8.9216

■ 75.6657, 69.5823,
76.6939

■ 42.5674, 21.7910,
8.9204

■ 84.7116, 83.7052,
91.9446

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



49.2754, 32.9009, 60.3167



51.3367, 32.9009, 31.6617



47.2543, 32.9009, 14.5452

Triad

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



51.3367, 32.9009, 31.6617



22.5088, 32.9009, 9.0074



24.6805, 32.9009, 100.2422

Complementary

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



51.3367, 32.9009, 31.6617



52.7502, 78.9491, 72.7856

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.



19.3722, 32.9009, 71.5776



51.3367, 32.9009, 31.6617



18.2931, 32.9009, 19.0620

Square

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



51.3367, 32.9009, 31.6617



29.7822, 32.9009, 5.9870



17.2628, 32.9009, 40.3349



32.8093, 32.9009, 109.0261

Rectangle

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



51.3367, 32.9009, 31.6617



41.9787, 32.9009, 8.9571



17.2628, 32.9009, 40.3349



22.5596, 32.9009, 92.1172

Sweetspot

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



51.3376, 32.9027, 31.6623



77.3706, 72.2322, 79.6045



48.4096, 29.9256, 97.8324



16.0322, 14.6399, 16.1353



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.



51.3376, 32.9027, 31.6623



47.3231, 27.3392, 22.7227



51.6290, 38.2000, 17.2249



18.2341, 18.0769, 19.8499



22.2997, 11.4092, 4.9625



2.2171, 1.1292, 0.7246

Inverse Universe

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



51.3376, 32.9027, 31.6623



47.3231, 27.3392, 22.7227



50.9864, 64.9570, 104.4584



18.2341, 18.0769, 19.8499



22.2997, 11.4092, 4.9625



2.2171, 1.1292, 0.7246

Previews

White Background



This preview shows how the XYZ color 51.3367, 32.9009, 31.6617 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 51.3367, 32.9009, 31.6617 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 51.3367, 32.9009, 31.6617

Background



This preview shows how black text looks on a background with the XYZ color 51.3367, 32.9009, 31.6617.



This preview shows how white text looks on a background with the XYZ color 51.3367, 32.9009, 31.6617.

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

51.3367, 32.9009, 31.6617

Protanopia

32.5404, 33.0010, 46.7742

Deuteranopia

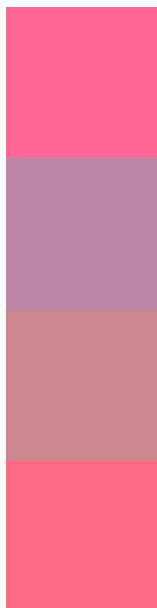
33.6186, 32.9659, 29.7905



Tritanopia

49.0230, 32.8687, 20.2835

Trichromacy



Original Color

51.3367, 32.9009, 31.6617

Protanomaly

36.6253, 30.9368, 40.6002

Deuteranomaly

38.5984, 31.7678, 30.4830

Tritanomaly

49.9234, 32.9374, 24.1484

Monochromacy



Original Color

51.3367, 32.9009, 31.6617

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 51.3367, 32.9009, 31.6617 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 148) }
```

Border

The CSS property to change the border of an element to XYZ 51.3367, 32.9009, 31.6617 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, 148) }
```


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

```
.border{ border-color:rgb(255, 102, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3367, 32.9009, 31.6617 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, 148) }
```

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

```
.background{ background-color: rgb(255,  
102, 148) }
```

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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