

Converting Colors

XYZ(51.5297, 31.7830, 36.3629)

Have a look what the booklet for
XYZ(51.5297, 31.7830, 36.3629)
contains.

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Color

**XYZ(51.5007, 31.7686,
36.2185)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5E9F
RGB	255, 94, 159
RGB Percent	100%, 37%, 62%
CMY	0.0000, 0.6313, 0.3765
CMYK	0.00, 0.63, 0.38, 0.00
HSL	336°, 100%, 68%
HSV	336°, 63%, 100%
XYZ	51.5007, 31.7686, 36.2185
YIQ	149.5490, 75.0910, 54.3470

Conversions

Conversions Part 2

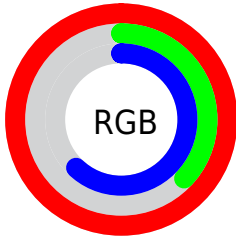
Format	Color
R_{YB}	255, 94, 159
Decimal	16735903
CIE _{Lab}	63.15, 66.46, -2.11
CIE _{LCh}	63, 66.490, 358.183
Yxy	31.7686, 0.4310, 0.2659
Android (android.graphics.Color)	4294925983 (0xFFFF5E9F)
YUV	149.5490, 4.6593, 92.4805
Hunter-Lab	56.3636, 64.4630, 1.3556

Details

The XYZ color **51.5007, 31.7686, 36.2185** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **49.6722, 77.6182, 61.0839**, and the grayscale version is **28.7587, 30.2564, 32.9492**.

A 20% lighter version of the original color is **64.6058, 48.5715, 69.5885**, and **25.3243, 13.2908, 15.4180** is the 20% darker color. If you saturate the color by 10%, you get **48.3564, 27.4635, 29.0558**, and if you desaturate by 10%, it is **55.5577, 37.6393, 44.4869**.

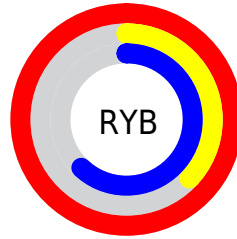
Distribution



Red (100%)

Green (37%)

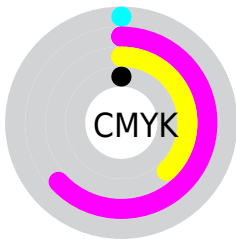
Blue (62%)



Red (100%)

Yellow (37%)

Blue (62%)

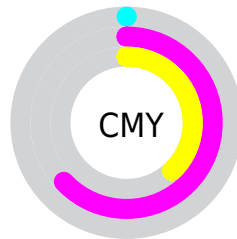


Cyan (0%)

Magenta (63%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (63%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5007, 31.7686, 36.2185 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 51.5007, 31.7686, 36.2185 by changing the saturation by 10% instead.


 51.5007, 31.7686,
36.2185


 51.5007, 31.7686,
36.2185


382.8617,
310.0638, 344.9808

 36.8299, 21.1848,
24.3120


 91.5731, 62.4482,
70.5420


 25.2489, 13.2592,
15.3509


 117.7053, 83.3127,
93.7961

 16.3923, 7.6072,
8.9166


 148.3888,
108.3730, 121.6697

 9.8948, 3.8447,
4.5908

 183.9888,
138.0133, 154.5815

 5.3910, 1.5871,
1.9547

224.8708,
172.6182, 192.9500

 2.5155, 0.3489,
0.5272

271.4000,

 0.9031, 0.0000,

212.5720, 237.1937

0.0000

323.9419,
258.2591, 287.7311

■ 0.0000, 0.0000,
0.0000

■ 51.5007, 31.7686,
36.2185

■ 51.5007, 31.7686,
36.2185

■ 48.3564, 27.4635,
29.0558

■ 55.5577, 37.6393,
44.4869

■ 46.0394, 24.5625,
22.9405

■ 60.5969, 45.2057,
53.9108

■ 44.4507, 22.8778,
17.8093

■ 66.6837, 54.5901,
64.5384

■ 43.6853, 22.2381,
14.8068

■ 73.8769, 65.9020,
76.4144

■ 82.2308, 79.2421,
89.5808

91.7958, 94.7041,
104.0775

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.



47.8179, 31.7686, 68.6794



51.5007, 31.7686, 36.2185



48.5824, 31.7686, 15.7849

Triad

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



51.5007, 31.7686, 36.2185



22.6011, 31.7686, 6.4242



21.8113, 31.7686, 97.7953

Complementary

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



51.5007, 31.7686, 36.2185



49.6722, 77.6182, 61.0839

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.



17.1541, 31.7686, 64.3861



51.5007, 31.7686, 36.2185



17.5409, 31.7686, 14.1957

Square

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



51.5007, 31.7686, 36.2185



30.7583, 31.7686, 4.6705



15.7638, 31.7686, 33.0122



29.6388, 31.7686, 113.7295

Rectangle

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



51.5007, 31.7686, 36.2185



43.5618, 31.7686, 8.9358



15.7638, 31.7686, 33.0122



19.8875, 31.7686, 87.6111

Sweetspot

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



51.5016, 31.7703, 36.2191



77.1864, 71.1649, 81.6981



42.7730, 25.9083, 97.3541



16.0263, 14.4447, 16.6991



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.



51.5016, 31.7703, 36.2191



47.6116, 26.4957, 27.1984



48.5629, 32.6726, 14.3388



18.3132, 18.1086, 20.2667



22.8957, 11.6476, 8.1010



2.2816, 1.1550, 1.0645

Inverse Universe

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



51.5016, 31.7703, 36.2191



47.6116, 26.4957, 27.1984



54.2955, 72.8571, 105.8088



18.3132, 18.1086, 20.2667



22.8957, 11.6476, 8.1010



2.2816, 1.1550, 1.0645

Previews

White Background



This preview shows how the XYZ color 51.5007, 31.7686, 36.2185 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 51.5007, 31.7686, 36.2185 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 51.5007, 31.7686, 36.2185

Background



This preview shows how black text looks on a background with the XYZ color 51.5007, 31.7686, 36.2185.



This preview shows how white text looks on a background with the XYZ color 51.5007, 31.7686,

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

51.5007, 31.7686, 36.2185

Protanopia

32.2339, 32.1474, 56.1359

Deuteranopia

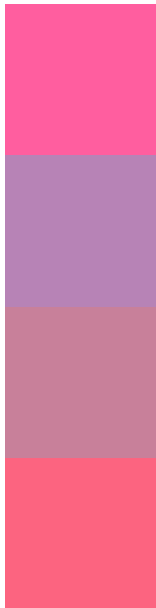
32.5380, 31.8492, 33.7107



Tritanopia

47.6032, 31.5576, 18.6212

Trichromacy



Original Color

51.5007, 31.7686, 36.2185

Protanomaly

36.0882, 29.6773, 48.0822

Deuteranomaly

37.3713, 30.0508, 34.4025

Tritanomaly

48.5983, 31.3683, 23.9153

Monochromacy



Original Color

51.5007, 31.7686, 36.2185

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

34.4714, 28.9565, 33.9093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5007, 31.7686, 36.2185 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, 94, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 159)  
}
```

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, 94, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 159) }
```

Border

The CSS property to change the border of an element to XYZ 51.5007, 31.7686, 36.2185 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, 94, 159) }
```


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

```
.border{ border-color:rgb(255, 94, 159) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 94, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5007, 31.7686, 36.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 159) }
```

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

```
.background{ background-color: rgb(255, 94,  
159) }
```

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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