

Converting Colors

XYZ(50.1643, 32.0371, 26.7055)

Have a look what the booklet for
XYZ(50.1643, 32.0371, 26.7055)
contains.

XYZ(50.1458, 31.9613, 26.8187)	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(50.1458, 31.9613,
26.8187)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6388
RGB	255, 99, 136
RGB Percent	100%, 39%, 53%
CMY	0.0000, 0.6117, 0.4667
CMYK	0.00, 0.61, 0.47, 0.00
HSL	346°, 100%, 69%
HSV	346°, 61%, 100%
XYZ	50.1458, 31.9613, 26.8187
YIQ	149.8620, 81.0990, 44.5790

Conversions

Conversions Part 2

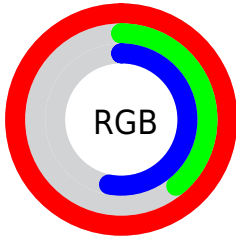
Format	Color
R _Y B	255, 99, 136
Decimal	16737160
CIE _{Lab}	63.31, 62.16, 11.37
CIE _{LCh}	63, 63.194, 10.369
Yxy	31.9613, 0.4604, 0.2934
Android (android.graphics.Color)	4294927240 (0xFFFF6388)
YUV	149.8620, -6.8340, 92.2060
Hunter-Lab	56.5343, 59.3940, 11.4481

Details

The XYZ color **50.1458, 31.9613, 26.8187** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **53.5626, 79.2354, 78.8065**, and the grayscale version is **28.9363, 30.4433, 33.1527**.

A 20% lighter version of the original color is **62.3138, 48.7111, 54.2620**, and **24.3742, 13.3487, 10.3087** is the 20% darker color. If you saturate the color by 10%, you get **46.8404, 27.3660, 19.5039**, and if you desaturate by 10%, it is **54.4662, 38.1851, 35.7102**.

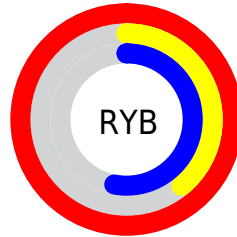
Distribution



Red (100%)

Green (39%)

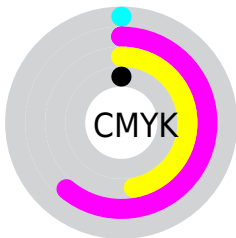
Blue (53%)



Red (100%)

Yellow (39%)

Blue (53%)

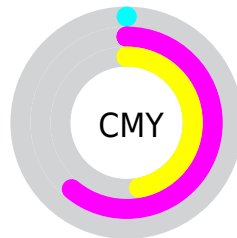


Cyan (0%)

Magenta (61%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1458, 31.9613, 26.8187 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 50.1458, 31.9613, 26.8187 by changing the saturation by 10% instead.


 50.1458, 31.9613,
26.8187

 50.1458, 31.9613,
26.8187


377.6784,
310.9429, 300.5106

 35.7475, 21.3319,
17.2059


 89.5814, 62.7504,
55.5930


 24.4085, 13.3669,
10.2179


 115.3494, 83.6790,
75.5916

 15.7633, 7.6816,
5.4362


 145.6381,
108.8094, 99.8891

 9.4466, 3.8919,
2.4422

 180.8128,
138.5260, 128.9042

 5.0930, 1.6133,
0.8093

221.2388,
173.2133, 163.0553

 2.3373, 0.3665,
0.0000

267.2815,

 0.8136, 0.0000,

213.2556, 202.7611

0.0000

319.3062,
259.0374, 248.4400

■ 0.0000, 0.0000,
0.0000

■ 50.1458, 31.9613,
26.8187

■ 50.1458, 31.9613,
26.8187

■ 46.8404, 27.3660,
19.5039

■ 54.4662, 38.1851,
35.7102

■ 44.4593, 24.2395,
13.6678

■ 59.8765, 46.1672,
46.2647

■ 42.8990, 22.3984,
9.2028

■ 66.4473, 56.0298,
58.5636

■ 42.0680, 21.5912,
6.2907

■ 74.2424, 67.8831,
72.6826

■ 83.3210, 81.8285,
88.6928

93.7381, 97.9606,
106.6613

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.



49.1688, 31.9613, 53.6566



50.1458, 31.9613, 26.8187



45.1061, 31.9613, 11.9708

Triad

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



50.1458, 31.9613, 26.8187



20.7208, 31.9613, 9.4649



25.0627, 31.9613, 102.8942

Complementary

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



50.1458, 31.9613, 26.8187



53.5626, 79.2354, 78.8065

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.



19.2658, 31.9613, 76.3385



50.1458, 31.9613, 26.8187



17.1131, 31.9613, 20.9775

Square

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



50.1458, 31.9613, 26.8187



27.4458, 31.9613, 5.6462



16.6373, 31.9613, 44.2268



33.5125, 31.9613, 107.1042

Rectangle

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



50.1458, 31.9613, 26.8187



39.4919, 31.9613, 7.4531



16.6373, 31.9613, 44.2268



22.7871, 31.9613, 95.8412

Sweetspot

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



50.1466, 31.9630, 26.8193



76.9812, 72.0765, 77.5543



50.8323, 30.7447, 97.8627



15.9385, 14.6024, 15.6419



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.



50.1466, 31.9630, 26.8193



46.3392, 26.6899, 18.3301



52.5820, 40.3400, 16.8218



18.1859, 18.0577, 19.5960



22.0293, 11.3010, 3.5386



2.1852, 1.1165, 0.5567

Inverse Universe

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



50.1466, 31.9630, 26.8193



46.3392, 26.6899, 18.3301



47.7530, 58.9860, 103.4761



18.1859, 18.0577, 19.5960



22.0293, 11.3010, 3.5386



2.1852, 1.1165, 0.5567

Previews

White Background



This preview shows how the XYZ color 50.1458, 31.9613, 26.8187 looks on a white background.

Color Contrast Check

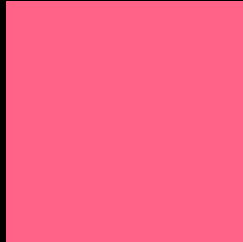
Large Text (above 18pt) WCAG AA × Fail

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 50.1458, 31.9613, 26.8187 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 50.1458, 31.9613, 26.8187

Background



This preview shows how black text looks on a background with the XYZ color 50.1458, 31.9613, 26.8187.



This preview shows how white text looks on a background with the XYZ color 50.1458, 31.9613,

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

50.1458, 31.9613, 26.8187

Protanopia

31.3196, 32.2714, 40.1756

Deuteranopia

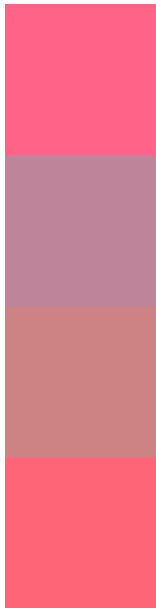
32.6838, 32.1119, 25.2445



Tritanopia

48.3276, 31.9310, 18.6551

Trichromacy



Original Color

50.1458, 31.9613, 26.8187

Protanomaly

35.4555, 30.0553, 34.5044

Deuteranomaly

37.3243, 30.6103, 25.7710

Tritanomaly

49.0146, 31.9296, 21.3490

Monochromacy



Original Color

50.1458, 31.9613, 26.8187

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.9662, 28.9683, 30.5893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1458, 31.9613, 26.8187 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 136) }
```

Border

The CSS property to change the border of an element to XYZ 50.1458, 31.9613, 26.8187 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, 136) }
```


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

```
.border{ border-color:rgb(255, 99, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 99, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 99, 136); box-shadow:4px 4px 4px 4px rgb(255, 99, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1458, 31.9613, 26.8187 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, 136) }
```

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

```
.background{ background-color: rgb(255, 99,  
136) }
```

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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