

Converting Colors

XYZ(77.2409, 46.1811, 23.6792)

Have a look what the booklet for
XYZ(77.2409, 46.1811, 23.6792)
contains.

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Color

**XYZ(49.3723, 31.8044,
22.2755)**

Conversions

Conversions Part 1

Format	Color
Hex	FF647B
RGB	255, 100, 123
RGB Percent	100%, 39%, 48%
CMY	0.0000, 0.6078, 0.5176
CMYK	0.00, 0.61, 0.52, 0.00
HSL	351°, 100%, 70%
HSV	351°, 61%, 100%
XYZ	49.3723, 31.8044, 22.2755
YIQ	148.9670, 84.9970, 40.0130

Conversions

Conversions Part 2

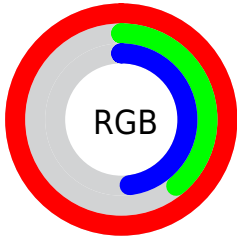
Format	Color
R _Y B	255, 100, 123
Decimal	16737403
CIE Lab	63.18, 60.63, 18.67
CIE LCh	63, 63.444, 17.116
Yxy	31.8044, 0.4772, 0.3074
Android (android.graphics.Color)	4294927483 (0xFFFF647B)
YUV	148.9670, -12.8017, 92.9909
Hunter-Lab	56.3954, 57.5789, 16.0579

Details

The XYZ color **49.3723, 31.8044, 22.2755** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **55.5831, 80.0562, 88.8730**, and the grayscale version is **28.5816, 30.0701, 32.7463**.

A 20% lighter version of the original color is **61.0348, 48.4691, 46.6960**, and **23.9878, 13.2965, 7.9588** is the 20% darker color. If you saturate the color by 10%, you get **46.0856, 27.1709, 15.2004**, and if you desaturate by 10%, it is **53.7272, 38.0921, 31.1949**.

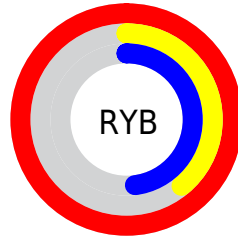
Distribution



Red (100%)

Green (39%)

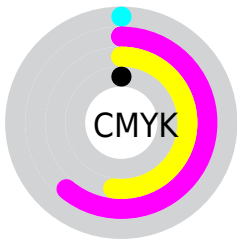
Blue (48%)



Red (100%)

Yellow (39%)

Blue (48%)

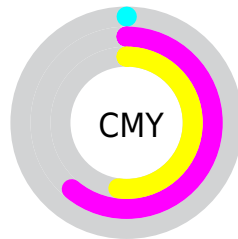


Cyan (0%)

Magenta (61%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3723, 31.8044, 22.2755 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 49.3723, 31.8044, 22.2755 by changing the saturation by 10% instead.


 49.3723, 31.8044,
22.2755


 49.3723, 31.8044,
22.2755

374.6988,
310.2273, 276.9819

 35.1307, 21.2121,
13.8592


 88.4416, 62.5043,
48.1089


 23.9305, 13.2792,
7.8852


 113.9999, 83.3808,
66.3632

 15.4065, 7.6211,
3.9349


 144.0611,
108.4541, 88.7338

 9.1934, 3.8534,
1.5897

 178.9907,
138.1086, 115.6394

 4.9256, 1.5919,
0.2834

219.1538,
172.7289, 147.4985

 2.2380, 0.3521,
0.0000

264.9160,

 0.7627, 0.0000,

212.6991, 184.7295

0.0000

316.6426,
258.4038, 227.7512

■ 0.0000, 0.0000,
0.0000

■ 49.3723, 31.8044,
22.2755

■ 49.3723, 31.8044,
22.2755

■ 46.0856, 27.1709,
15.2004

■ 53.7272, 38.0921,
31.1949

■ 43.7705, 24.0301,
9.8369

■ 59.2309, 46.1653,
42.0751

■ 42.3163, 22.1971,
6.0370

■ 65.9588, 56.1481,
55.0245

■ 41.5869, 21.3987,
3.7576

■ 73.9792, 68.1520,
70.1433

■ 83.3553, 82.2798,
87.5251

94.1462, 98.6275,
107.2580

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



49.8204, 31.8044, 46.5494



49.3723, 31.8044, 22.2755



43.2138, 31.8044, 9.9324

Triad

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



49.3723, 31.8044, 22.2755



19.4829, 31.8044, 11.0695



26.6237, 31.8044, 106.2350

Complementary

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



49.3723, 31.8044, 22.2755



55.5831, 80.0562, 88.8730

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.



20.1470, 31.8044, 83.4192



49.3723, 31.8044, 22.2755



16.5937, 31.8044, 24.9410

Square

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



49.3723, 31.8044, 22.2755



25.5343, 31.8044, 5.9475



16.8106, 31.8044, 50.8703



35.4668, 31.8044, 104.2990

Rectangle

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



49.3723, 31.8044, 22.2755



37.2700, 31.8044, 6.4758



16.8106, 31.8044, 50.8703



24.1360, 31.8044, 100.8713

Sweetspot

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



49.3731, 31.8061, 22.2760



76.4479, 71.8632, 74.7457



55.8059, 33.4503, 98.1226



15.8106, 14.5513, 14.9687



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.



49.3731, 31.8061, 22.2760



45.4916, 26.3509, 13.8671



55.1384, 45.3760, 17.9113



18.1192, 18.0310, 19.2446



21.7628, 11.1944, 2.1357



2.1499, 1.1023, 0.3710

Inverse Universe

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



49.3731, 31.8061, 22.2760



45.4916, 26.3509, 13.8671



44.1356, 51.5881, 102.2386



18.1192, 18.0310, 19.2446



21.7628, 11.1944, 2.1357



2.1499, 1.1023, 0.3710

Previews

White Background



This preview shows how the XYZ color 49.3723, 31.8044, 22.2755 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 49.3723, 31.8044, 22.2755 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 49.3723, 31.8044, 22.2755

Background



This preview shows how black text looks on a background with the XYZ color 49.3723, 31.8044, 22.2755.



This preview shows how white text looks on a background with the XYZ color 49.3723, 31.8044,

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

49.3723, 31.8044, 22.2755

Protanopia

30.7207, 32.1205, 33.0145

Deuteranopia

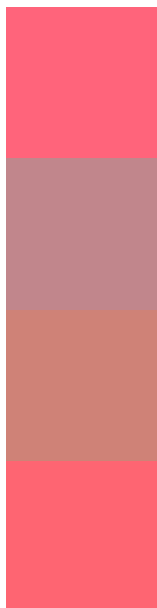
32.4085, 31.8317, 20.9590



Tritanopia

48.3847, 31.6777, 18.0322

Trichromacy



Original Color

49.3723, 31.8044, 22.2755

Protanomaly

35.2510, 30.2811, 28.7978

Deuteranomaly

37.0445, 30.5626, 21.3995

Tritanomaly

48.5640, 31.5931, 19.4581

Monochromacy



Original Color

49.3723, 31.8044, 22.2755

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

33.5890, 28.8174, 28.6029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3723, 31.8044, 22.2755 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, 100, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 123)  
}
```

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, 100, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 123) }
```

Border

The CSS property to change the border of an element to XYZ 49.3723, 31.8044, 22.2755 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, 100, 123) }
```


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

```
.border{ border-color:rgb(255, 100, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3723, 31.8044, 22.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 123) }
```

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

```
.background{ background-color: rgb(255,  
100, 123) }
```

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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