

Converting Colors

XYZ(49.6945, 31.9329, 23.9708)

Have a look what the booklet for
XYZ(49.6945, 31.9329, 23.9708)
contains.

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Color

**XYZ(49.6935, 31.9329,
23.9666)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6480
RGB	255, 100, 128
RGB Percent	100%, 39%, 50%
CMY	0.0000, 0.6078, 0.4980
CMYK	0.00, 0.61, 0.50, 0.00
HSL	349°, 100%, 70%
HSV	349°, 61%, 100%
XYZ	49.6935, 31.9329, 23.9666
YIQ	149.5370, 83.3920, 41.5680

Conversions

Conversions Part 2

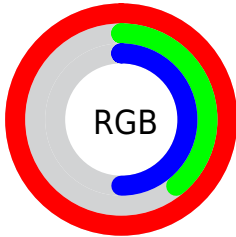
Format	Color
R _Y B	255, 100, 128
Decimal	16737408
CIE Lab	63.29, 61.04, 15.95
CIE LCh	63, 63.093, 14.639
Yxy	31.9329, 0.4706, 0.3024
Android (android.graphics.Color)	4294927488 (0xFFFF6480)
YUV	149.5370, -10.6177, 92.4911
Hunter-Lab	56.5092, 58.0796, 14.4105

Details

The XYZ color **49.6935, 31.9329, 23.9666** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **54.8828, 79.7762, 85.1849**, and the grayscale version is **28.8136, 30.3141, 33.0121**.

A 20% lighter version of the original color is **61.6375, 48.7101, 49.8694**, and **24.1291, 13.3530, 8.7028** is the 20% darker color. If you saturate the color by 10%, you get **46.3823, 27.2896, 16.7620**, and if you desaturate by 10%, it is **54.0546, 38.2231, 32.9188**.

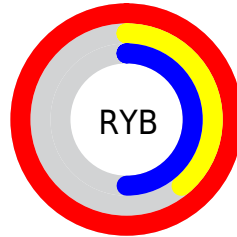
Distribution



Red (100%)

Green (39%)

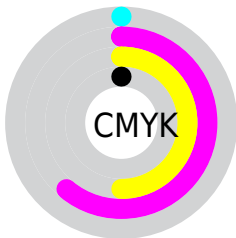
Blue (50%)



Red (100%)

Yellow (39%)

Blue (50%)

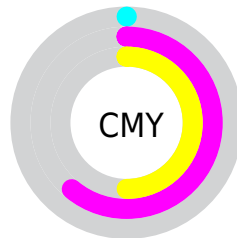


Cyan (0%)

Magenta (61%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (61%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6935, 31.9329, 23.9666 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 49.6935, 31.9329, 23.9666 by changing the saturation by 10% instead.


 49.6935, 31.9329,
23.9666


 49.6935, 31.9329,
23.9666


375.9380,
310.8135, 285.9327


 35.3867, 21.3103,
15.0969


 88.9151, 62.7059,
50.9188


 24.1288, 13.3510,
8.7400


 114.5607, 83.6250,
69.8384

 15.5545, 7.6707,
4.4775


 144.7166,
108.7451, 92.9451

 9.2983, 3.8850,
1.8908

 179.7481,
138.4505, 120.6573

 4.9949, 1.6094,
0.4869

220.0206,
173.1256, 153.3936

 2.2790, 0.3639,
0.0000

265.8996,

 0.7839, 0.0000,

213.1549, 191.5726

0.0000

317.7502,
258.9227, 235.6128

■ 0.0000, 0.0000,
0.0000

■ 49.6935, 31.9329,
23.9666

■ 49.6935, 31.9329,
23.9666

■ 46.3823, 27.2896,
16.7620

■ 54.0546, 38.2231,
32.9188

■ 44.0269, 24.1327,
11.1864

■ 59.5439, 46.2905,
43.7228

■ 42.5199, 22.2785,
7.1084

■ 66.2346, 56.2585,
56.4766

■ 41.7341, 21.4576,
4.5323

■ 74.1933, 68.2377,
71.2703

■ 83.4815, 82.3304,
88.1889

94.1566, 98.6318,
107.3121

95.0499, 99.9999,
108.9000

Harmonies

Analogous

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



49.6174, 31.9329, 49.1450



49.6935, 31.9329, 23.9666



43.9523, 31.9329, 10.7269

Triad

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



49.6935, 31.9329, 23.9666



20.0059, 31.9329, 10.5323



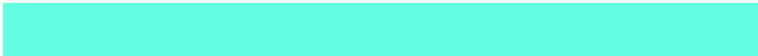
26.1126, 31.9329, 104.9169

Complementary

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



49.6935, 31.9329, 23.9666



54.8828, 79.7762, 85.1849

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.



19.8927, 31.9329, 80.7515



49.6935, 31.9329, 23.9666



16.8563, 31.9329, 23.5123

Square

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



49.6935, 31.9329, 23.9666



26.2981, 31.9329, 5.8942



16.8193, 31.9329, 48.4108



34.8009, 31.9329, 105.2450

Rectangle

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



49.6935, 31.9329, 23.9666



38.1356, 31.9329, 6.8878



16.8193, 31.9329, 48.4108



23.7056, 31.9329, 98.9373

Sweetspot

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



49.6943, 31.9346, 23.9671



76.6401, 71.9401, 75.7581



54.1558, 32.5996, 98.0455



15.8566, 14.5697, 15.2110



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.



49.6943, 31.9346, 23.9671



45.7805, 26.4664, 15.3882



54.3023, 43.7035, 17.6326



18.1433, 18.0406, 19.3718



21.8454, 11.2274, 2.5702



2.1616, 1.1070, 0.4322

Inverse Universe

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



49.6943, 31.9346, 23.9671



45.7805, 26.4664, 15.3882



45.3585, 54.0337, 102.6464



18.1433, 18.0406, 19.3718



21.8454, 11.2274, 2.5702



2.1616, 1.1070, 0.4322

Previews

White Background



This preview shows how the XYZ color 49.6935, 31.9329, 23.9666 looks on a white background.

Color Contrast Check

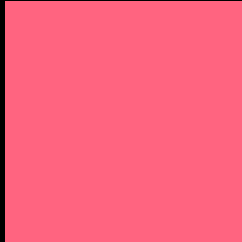
Large Text (above 18pt) WCAG AA × Fail

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 49.6935, 31.9329, 23.9666 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 49.6935, 31.9329, 23.9666

Background



This preview shows how black text looks on a background with the XYZ color 49.6935, 31.9329, 23.9666.

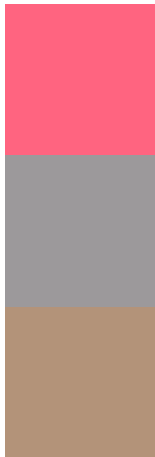


This preview shows how white text looks on a background with the XYZ color 49.6935, 31.9329,

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

49.6935, 31.9329, 23.9666

Protanopia

31.0179, 32.2169, 35.5940

Deuteranopia

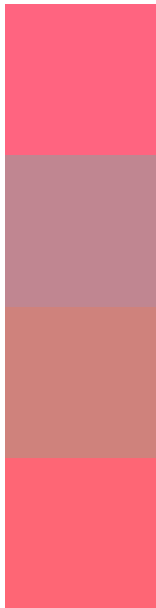
32.4753, 31.8316, 22.5216



Tritanopia

48.5378, 31.8971, 18.3504

Trichromacy



Original Color

49.6935, 31.9329, 23.9666

Protanomaly

35.3742, 30.3010, 30.7723

Deuteranomaly

37.3528, 30.6859, 23.0230

Tritanomaly

48.8353, 31.8579, 20.4049

Monochromacy



Original Color

49.6935, 31.9329, 23.9666

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

33.8728, 29.1469, 29.4318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6935, 31.9329, 23.9666 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 128) }
```

Border

The CSS property to change the border of an element to XYZ 49.6935, 31.9329, 23.9666 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, 128) }
```


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

```
.border{ border-color:rgb(255, 100, 128) }
```

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, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6935, 31.9329, 23.9666 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, 128) }
```

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

```
.background{ background-color: rgb(255,  
100, 128) }
```

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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