

Converting Colors

XYZ(69.6208, 41.3776, 24.7938)

Have a look what the booklet for
XYZ(69.6208, 41.3776, 24.7938)
contains.

XYZ(49.1390, 30.8239, 23.7818)	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(49.1390, 30.8239,
23.7818)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5E80
RGB	255, 94, 128
RGB Percent	100%, 37%, 50%
CMY	0.0000, 0.6313, 0.4980
CMYK	0.00, 0.63, 0.50, 0.00
HSL	347°, 100%, 68%
HSV	347°, 63%, 100%
XYZ	49.1390, 30.8239, 23.7818
YIQ	146.0150, 85.0420, 44.7060

Conversions

Conversions Part 2

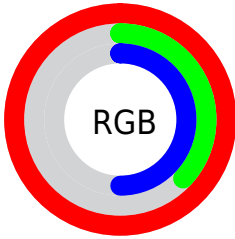
Format	Color
R _Y B	255, 94, 128
Decimal	16735872
CIE Lab	62.36, 63.54, 14.66
CIE LCh	62, 65.212, 12.987
Yxy	30.8239, 0.4737, 0.2971
Android (android.graphics.Color)	4294925952 (0xFFFF5E80)
YUV	146.0150, -8.8814, 95.5798
Hunter-Lab	55.5193, 60.8280, 13.4665

Details

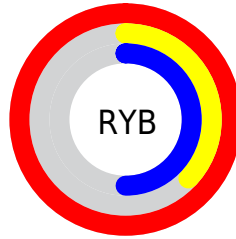
The XYZ color **49.1390, 30.8239, 23.7818** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **53.4293, 79.1209, 80.8685**, and the grayscale version is **27.3400, 28.7638, 31.3238**.

A 20% lighter version of the original color is **60.6471, 46.7294, 49.5393**, and **23.8430, 12.7807, 8.6074** is the 20% darker color. If you saturate the color by 10%, you get **46.0386, 26.5364, 16.8508**, and if you desaturate by 10%, it is **53.2521, 36.7170, 32.3458**.

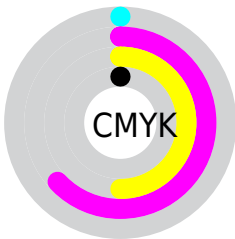
Distribution



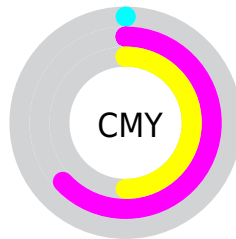
- Red (100%)
- Green (37%)
- Blue (50%)



- Red (100%)
- Yellow (37%)
- Blue (50%)



- Cyan (0%)
- Magenta (63%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (63%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1390, 30.8239, 23.7818 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 49.1390, 30.8239, 23.7818 by changing the saturation by 10% instead.


 49.1390, 30.8239,
23.7818


 49.1390, 30.8239,
23.7818

373.7972,
305.7262, 284.9664

 34.9447, 20.4648,
14.9611


 88.0973, 60.9627,
50.6133


 23.7866, 12.7334,
8.6458


 113.5921, 81.5112,
69.4611

 15.2993, 7.2452,
4.4172


 143.5845,
106.2249, 92.4885

 9.1174, 3.6159,
1.8569

 178.4398,
135.4883, 120.1139

 4.8756, 1.4611,
0.4651

218.5233,
169.6858, 152.7558

 2.2084, 0.2611,
0.0000

264.2005,

 0.7472, 0.0000,

209.2016, 190.8328

0.0000

315.8367,
254.4203, 234.7635

■ 0.0000, 0.0000,
0.0000

■ 49.1390, 30.8239,
23.7818

■ 49.1390, 30.8239,
23.7818

■ 46.0386, 26.5364,
16.8508

■ 53.2521, 36.7170,
32.3458

■ 43.8560, 23.6892,
11.4434

■ 58.4563, 44.3495,
42.6389

■ 42.4812, 22.0900,
7.4382

■ 64.8251, 53.8467,
54.7510

■ 41.9020, 21.5248,
5.4166

■ 72.4244, 65.3211,
68.7657

■ 81.3154, 78.8760,
84.7609

91.5551, 94.6079,
102.8102

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.



48.7048, 30.8239, 49.8844



49.1390, 30.8239, 23.7818



43.5465, 30.8239, 10.1342

Triad

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



49.1390, 30.8239, 23.7818



19.1830, 30.8239, 9.0861



24.6073, 30.8239, 104.7865

Complementary

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



49.1390, 30.8239, 23.7818



53.4293, 79.1209, 80.8685

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.



18.5544, 30.8239, 78.8019



49.1390, 30.8239, 23.7818



15.8816, 30.8239, 21.2560

Square

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



49.1390, 30.8239, 23.7818



25.6466, 30.8239, 4.9869



15.6774, 30.8239, 45.7118



33.2788, 30.8239, 106.6853

Rectangle

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



49.1390, 30.8239, 23.7818



37.7003, 30.8239, 6.2144



15.6774, 30.8239, 45.7118



22.2458, 30.8239, 98.1489

Sweetspot

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



49.1398, 30.8256, 23.7823



75.9397, 70.6662, 75.1329



51.6046, 30.4612, 97.7672



15.7285, 14.3256, 15.1307



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.



49.1398, 30.8256, 23.7823



45.3236, 25.5805, 15.1499



52.5839, 40.7146, 15.6792



18.1663, 18.0498, 19.4927



21.9383, 11.2646, 3.0596



2.1738, 1.1119, 0.4966

Inverse Universe

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



49.1398, 30.8256, 23.7823



45.3236, 25.5805, 15.1499



45.5623, 55.3907, 102.8976



18.1663, 18.0498, 19.4927



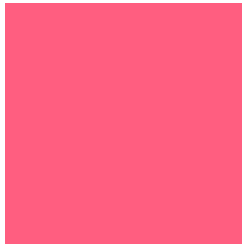
21.9383, 11.2646, 3.0596



2.1738, 1.1119, 0.4966

Previews

White Background



This preview shows how the XYZ color 49.1390, 30.8239, 23.7818 looks on a white background.

Color Contrast Check

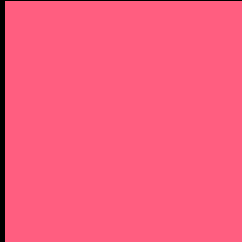
Large Text (above 18pt) WCAG AA × Fail

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 49.1390, 30.8239, 23.7818 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 49.1390, 30.8239, 23.7818

Background



This preview shows how black text looks on a background with the XYZ color 49.1390, 30.8239, 23.7818.



This preview shows how white text looks on a background with the XYZ color 49.1390, 30.8239,

23.7818.

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

49.1390, 30.8239, 23.7818

Protanopia

29.9410, 30.9224, 36.2888

Deuteranopia

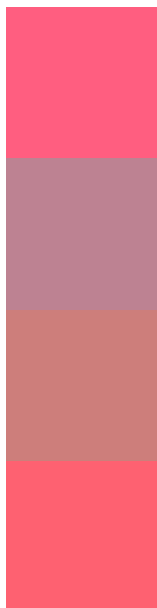
31.4201, 30.8370, 22.0654



Tritanopia

47.7905, 30.8261, 16.7958

Trichromacy



Original Color

49.1390, 30.8239, 23.7818

Protanomaly

34.1572, 28.8594, 30.9643

Deuteranomaly

36.2128, 29.3309, 22.4917

Tritanomaly

48.1284, 30.8125, 19.0335

Monochromacy



Original Color

49.1390, 30.8239, 23.7818

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

32.4993, 27.4819, 28.0177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1390, 30.8239, 23.7818 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 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, 94, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 128) }
```

Border

The CSS property to change the border of an element to XYZ 49.1390, 30.8239, 23.7818 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, 128) }
```


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

```
.border{ border-color:rgb(255, 94, 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, 94, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1390, 30.8239, 23.7818 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, 128) }
```

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

```
.background{ background-color: rgb(255, 94,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor