

Converting Colors

XYZ(68.6961, 40.7494, 25.1433)

Have a look what the booklet for
XYZ(68.6961, 40.7494, 25.1433)
contains.

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Color

**XYZ(49.1168, 30.6737,
24.1007)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5D81
RGB	255, 93, 129
RGB Percent	100%, 36%, 51%
CMY	0.0000, 0.6353, 0.4941
CMYK	0.00, 0.64, 0.49, 0.00
HSL	347°, 100%, 68%
HSV	347°, 64%, 100%
XYZ	49.1168, 30.6737, 24.1007
YIQ	145.5420, 84.9960, 45.5400

Conversions

Conversions Part 2

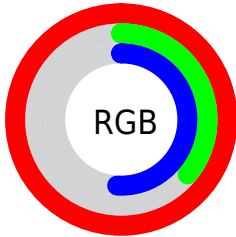
Format	Color
R _Y B	255, 93, 129
Decimal	16735617
CIE Lab	62.23, 64.03, 13.90
CIE LCh	62, 65.524, 12.247
Yxy	30.6737, 0.4728, 0.2952
Android (android.graphics.Color)	4294925697 (0xFFFF5D81)
YUV	145.5420, -8.1552, 95.9947
Hunter-Lab	55.3838, 61.3798, 12.9682

Details

The XYZ color **49.1168, 30.6737, 24.1007** 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 **53.0625, 78.9624, 79.4688**, and the grayscale version is **27.1437, 28.5573, 31.0989**.

A 20% lighter version of the original color is **60.5898, 46.4501, 50.0283**, and **23.8097, 12.6554, 8.7772** is the 20% darker color. If you saturate the color by 10%, you get **46.0468, 26.4429, 17.1920**, and if you desaturate by 10%, it is **53.1902, 36.5019, 32.6069**.

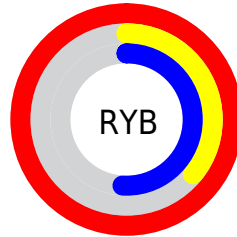
Distribution



Red (100%)

Green (36%)

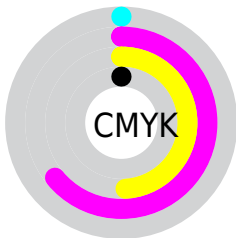
Blue (51%)



Red (100%)

Yellow (36%)

Blue (51%)

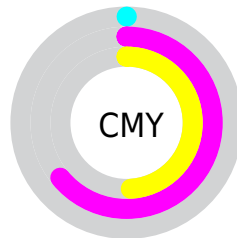


Cyan (0%)

Magenta (64%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1168, 30.6737, 24.1007 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 49.1168, 30.6737, 24.1007 by changing the saturation by 10% instead.


 49.1168, 30.6737,
24.1007


 49.1168, 30.6737,
24.1007

373.7113,
305.0322, 286.6321


 34.9271, 20.3505,
15.1954


 88.0646, 60.7260,
51.1404


 23.7729, 12.6501,
8.8085


 113.5533, 81.2238,
70.1119

 15.2891, 7.1880,
4.5214


 143.5391,
105.8821, 93.2759

 9.1102, 3.5800,
1.9155

 178.3873,
135.0850, 121.0509

 4.8708, 1.4415,
0.5026

218.4633,
169.2171, 153.8555

 2.2056, 0.2470,
0.0000

264.1324,

 0.7457, 0.0000,

208.6628, 192.1082

0.0000

315.7599,
253.8063, 236.2276

■ 0.0000, 0.0000,
0.0000

■ 49.1168, 30.6737,
24.1007

■ 49.1168, 30.6737,
24.1007

■ 46.0468, 26.4429,
17.1920

■ 53.1902, 36.5019,
32.6069

■ 43.8853, 23.6434,
11.7750

■ 58.3451, 44.0616,
42.8032

■ 42.5225, 22.0817,
7.7325

■ 64.6544, 53.4786,
54.7770

■ 41.9698, 21.5519,
5.7738

■ 72.1840, 64.8653,
68.6087

■ 80.9947, 78.3254,
84.3740

91.1430, 93.9552,
102.1442

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.



48.5210, 30.6737, 50.5466



49.1168, 30.6737, 24.1007



43.6319, 30.6737, 10.1981

Triad

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



49.1168, 30.6737, 24.1007



19.1556, 30.6737, 8.7713



24.2733, 30.6737, 104.5095

Complementary

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



49.1168, 30.6737, 24.1007



53.0625, 78.9624, 79.4688

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.



18.2963, 30.6737, 77.9756



49.1168, 30.6737, 24.1007



15.7789, 30.6737, 20.6470

Square

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



49.1168, 30.6737, 24.1007



25.6957, 30.6737, 4.8401



15.4999, 30.6737, 44.8242



32.9104, 30.6737, 107.1197

Rectangle

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



49.1168, 30.6737, 24.1007



37.8063, 30.6737, 6.1881



15.4999, 30.6737, 44.8242



21.9348, 30.6737, 97.6453

Sweetspot

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



49.1176, 30.6754, 24.1012



76.0093, 70.6940, 75.4995



50.6406, 29.8331, 97.6968



15.7450, 14.3322, 15.2179



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.



49.1176, 30.6754, 24.1012



45.4313, 25.6236, 15.7169



52.0495, 39.7172, 15.2811



18.1746, 18.0531, 19.5365



21.9756, 11.2795, 3.2558



2.1785, 1.1138, 0.5215

Inverse Universe

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



49.1176, 30.6754, 24.1012



45.4313, 25.6236, 15.7169



46.0593, 56.5359, 103.0924



18.1746, 18.0531, 19.5365



21.9756, 11.2795, 3.2558



2.1785, 1.1138, 0.5215

Previews

White Background



This preview shows how the XYZ color 49.1168, 30.6737, 24.1007 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 49.1168, 30.6737, 24.1007 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 49.1168, 30.6737, 24.1007

Background



This preview shows how black text looks on a background with the XYZ color 49.1168, 30.6737, 24.1007.



This preview shows how white text looks on a background with the XYZ color 49.1168, 30.6737,

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

49.1168, 30.6737, 24.1007

Protanopia

29.9269, 30.8952, 37.1869

Deuteranopia

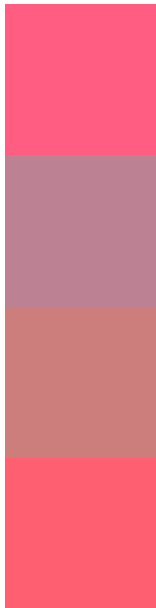
31.2558, 30.7452, 22.3762



Tritanopia

47.3744, 30.6175, 16.5096

Trichromacy



Original Color

49.1168, 30.6737, 24.1007

Protanomaly

34.1818, 28.6574, 31.7468

Deuteranomaly

36.0008, 29.2143, 22.8103

Tritanomaly

48.0366, 30.6288, 19.0029

Monochromacy



Original Color

49.1168, 30.6737, 24.1007

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

32.5727, 27.5113, 28.4044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1168, 30.6737, 24.1007 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, 93, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 129)  
}
```

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, 93, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 129) }
```

Border

The CSS property to change the border of an element to XYZ 49.1168, 30.6737, 24.1007 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, 93, 129) }
```


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

```
.border{ border-color:rgb(255, 93, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1168, 30.6737, 24.1007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 129) }
```

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

```
.background{ background-color: rgb(255, 93,  
129) }
```

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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