

Converting Colors

XYZ(86.7378, 49.8659, 26.6149)

Have a look what the booklet for
XYZ(86.7378, 49.8659, 26.6149)
contains.

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Color

**XYZ(49.1639, 30.5530,
24.7788)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5C83
RGB	255, 92, 131
RGB Percent	100%, 36%, 51%
CMY	0.0000, 0.6392, 0.4863
CMYK	0.00, 0.64, 0.49, 0.00
HSL	346°, 100%, 68%
HSV	346°, 64%, 100%
XYZ	49.1639, 30.5530, 24.7788
YIQ	145.1830, 84.6290, 46.6850

Conversions

Conversions Part 2

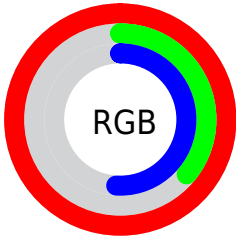
Format	Color
R_{YB}	255, 92, 131
Decimal	16735363
CIE _{Lab}	62.13, 64.60, 12.60
CIE _{LCh}	62, 65.821, 11.035
Yxy	30.5530, 0.4705, 0.2924
Android (android.graphics.Color)	4294925443 (0xFFFF5C83)
YUV	145.1830, -6.9922, 96.3095
Hunter-Lab	55.2748, 62.0352, 12.1136

Details

The XYZ color **49.1639, 30.5530, 24.7788** 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 **52.5704, 78.7540, 77.4022**, and the grayscale version is **26.9929, 28.3987, 30.9261**.

A 20% lighter version of the original color is **60.7981, 46.5334, 51.1248**, and **23.8419, 12.5999, 9.1581** is the 20% darker color. If you saturate the color by 10%, you get **46.1205, 26.3772, 17.8734**, and if you desaturate by 10%, it is **53.1981, 36.3166, 33.2295**.

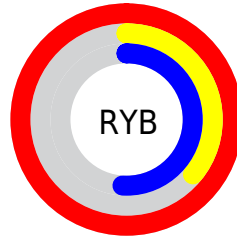
Distribution



Red (100%)

Green (36%)

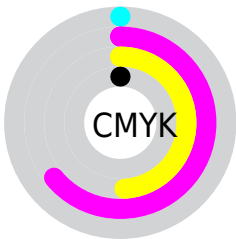
Blue (51%)



Red (100%)

Yellow (36%)

Blue (51%)

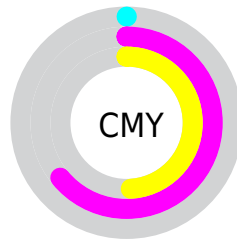


Cyan (0%)

Magenta (64%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1639, 30.5530, 24.7788 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 49.1639, 30.5530, 24.7788 by changing the saturation by 10% instead.


 49.1639, 30.5530,
24.7788


 49.1639, 30.5530,
24.7788


373.8935,
304.4737, 290.1469


 34.9646, 20.2587,
15.6948


 88.1341, 60.5356,
52.2578


 23.8020, 12.5832,
9.1564


 113.6357, 80.9927,
71.4899

 15.3107, 7.1422,
4.7452


 143.6354,
105.6063, 94.9418

 9.1255, 3.5512,
2.0424

 178.4986,
134.7606, 123.0320

 4.8809, 1.4258,
0.5812

218.5907,
168.8401, 156.1791

 2.2116, 0.2356,
0.0000

264.2769,

 0.7488, 0.0000,

208.2292, 194.8015

0.0000

315.9227,
253.3122, 239.3180

■ 0.0000, 0.0000,
0.0000

■ 49.1639, 30.5530,
24.7788

■ 49.1639, 30.5530,
24.7788

■ 46.1205, 26.3772,
17.8734

■ 53.1981, 36.3166,
33.2295

■ 43.9737, 23.6227,
12.4133

■ 58.3007, 43.8026,
43.3132

■ 42.6140, 22.0946,
8.2875

■ 64.5439, 53.1367,
55.1127

■ 42.0822, 21.5969,
6.3657

■ 71.9930, 64.4316,
68.7043

■ 80.7082, 77.7909,
84.1600

90.7455, 93.3108,
101.5474

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.



48.3031, 30.5530, 51.7660



49.1639, 30.5530, 24.7788



43.8707, 30.5530, 10.4235

Triad

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



49.1639, 30.5530, 24.7788



19.2338, 30.5530, 8.3746



23.8498, 30.5530, 103.9808

Complementary

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



49.1639, 30.5530, 24.7788



52.5704, 78.7540, 77.4022

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.



17.9961, 30.5530, 76.6516



49.1639, 30.5530, 24.7788



15.7295, 30.5530, 19.8018

Square

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



49.1639, 30.5530, 24.7788



25.9010, 30.5530, 4.6884



15.3279, 30.5530, 43.5012



32.4223, 30.5530, 107.7574

Rectangle

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



49.1639, 30.5530, 24.7788



38.0911, 30.5530, 6.2418



15.3279, 30.5530, 43.5012



21.5494, 30.5530, 96.7729

Sweetspot

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



49.1647, 30.5547, 24.7793



76.1172, 70.7372, 76.0678



49.6832, 29.2101, 97.6270



15.7707, 14.3425, 15.3531



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.



49.1647, 30.5547, 24.7793



45.3679, 25.3848, 16.0412



51.5265, 38.7415, 14.8896



18.1875, 18.0583, 19.6043



22.0370, 11.3041, 3.5795



2.1861, 1.1168, 0.5617

Inverse Universe

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



49.1647, 30.5547, 24.7793



45.3679, 25.3848, 16.0412



46.5751, 57.7168, 103.2932



18.1875, 18.0583, 19.6043



22.0370, 11.3041, 3.5795



2.1861, 1.1168, 0.5617

Previews

White Background



This preview shows how the XYZ color 49.1639, 30.5530, 24.7788 looks on a white background.

Color Contrast Check

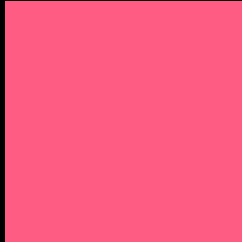
Large Text (above 18pt) WCAG AA × Fail

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 49.1639, 30.5530, 24.7788 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 49.1639, 30.5530, 24.7788

Background



This preview shows how black text looks on a background with the XYZ color 49.1639, 30.5530, 24.7788.



This preview shows how white text looks on a background with the XYZ color 49.1639, 30.5530,

24.7788.

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

49.1639, 30.5530, 24.7788

Protanopia

30.0056, 30.9054, 38.5663

Deuteranopia

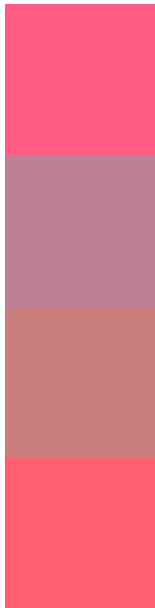
31.1561, 30.6795, 23.0185



Tritanopia

47.2309, 30.4113, 16.2126

Trichromacy



Original Color

49.1639, 30.5530, 24.7788

Protanomaly

34.1752, 28.6262, 33.0023

Deuteranomaly

35.8554, 29.1246, 23.4705

Tritanomaly

47.9459, 30.4475, 18.9727

Monochromacy



Original Color

49.1639, 30.5530, 24.7788

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

32.2021, 27.1294, 28.3502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1639, 30.5530, 24.7788 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, 92, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 131)  
}
```

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, 92, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 131) }
```

Border

The CSS property to change the border of an element to XYZ 49.1639, 30.5530, 24.7788 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, 92, 131) }
```


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

```
.border{ border-color:rgb(255, 92, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 92, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1639, 30.5530, 24.7788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 131) }
```

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

```
.background{ background-color: rgb(255, 92,  
131) }
```

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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