

Converting Colors

XYZ(49.7004, 30.6109, 50.9962)

Have a look what the booklet for
XYZ(49.7004, 30.6109, 50.9962)
contains.

XYZ(49.7873, 30.6925, 50.8771)	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(49.7873, 30.6925,
50.8771)**

Conversions

Conversions Part 1

Format	Color
Hex	F25FBC
RGB	242, 95, 188
RGB Percent	95%, 37%, 74%
CMY	0.0510, 0.6274, 0.2627
CMYK	0.00, 0.61, 0.22, 0.05
HSL	322°, 85%, 66%
HSV	322°, 61%, 95%
XYZ	49.7873, 30.6925, 50.8771
YIQ	149.5550, 57.7590, 60.0870

Conversions

Conversions Part 2

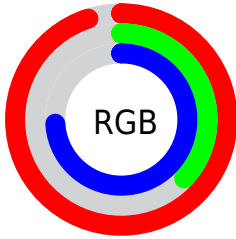
Format	Color
R _Y B	242, 95, 188
Decimal	15884220
CIE Lab	62.25, 65.78, -20.29
CIE LCh	62, 68.839, 342.859
Yxy	30.6925, 0.3790, 0.2337
Android (android.graphics.Color)	4294074300 (0xFFFF25FBC)
YUV	149.5550, 18.9534, 81.0743
Hunter-Lab	55.4008, 63.4620, -15.6682

Details

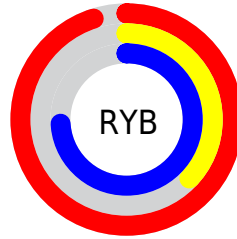
The XYZ color **49.7873, 30.6925, 50.8771** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **41.8979, 68.1082, 39.3750**, and the grayscale version is **28.7077, 30.2027, 32.8908**.

A 20% lighter version of the original color is **68.7974, 50.2481, 91.6608**, and **24.1289, 12.6229, 24.0864** is the 20% darker color. If you saturate the color by 10%, you get **47.0071, 26.6186, 45.3667**, and if you desaturate by 10%, it is **53.3053, 36.1467, 56.9253**.

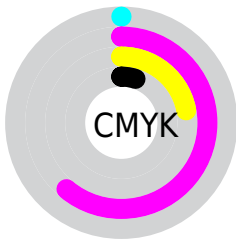
Distribution



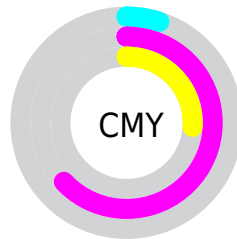
- Red (95%)
- Green (37%)
- Blue (74%)



- Red (95%)
- Yellow (37%)
- Blue (74%)



- Cyan (0%)
- Magenta (61%)
- Yellow (22%)
- Black (5%)





- Cyan (5%)
- Magenta (63%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7873, 30.6925, 50.8771 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 49.7873, 30.6925, 50.8771 by changing the saturation by 10% instead.


 49.7873, 30.6925,
50.8771

 49.7873, 30.6925,
50.8771

376.2993,
305.1192, 406.9190


 35.4615, 20.3648,
35.7348


 89.0534, 60.7556,
92.8827


 24.1868, 12.6605,
23.9413


 114.7244, 81.2598,
120.5831

 15.5977, 7.1952,
15.0783


 144.9078,
105.9250, 153.3065

 9.3290, 3.5845,
8.7271

 179.9691,
135.1355, 191.4716

 5.0152, 1.4439,
4.4693

220.2735,
169.2758, 235.4969

 2.2910, 0.2488,
1.8861

266.1864,

 0.7901, 0.0000,

208.7303, 285.8008

0.4839

318.0733,
253.8832, 342.8020

■ 0.0000, 0.0000,
0.0000

■ 49.7873, 30.6925,
50.8771

■ 49.7873, 30.6925,
50.8771

■ 47.0071, 26.6186,
45.3667

■ 53.3053, 36.1467,
56.9253

■ 44.8956, 23.7898,
40.3650

■ 57.6160, 43.0906,
63.5338

■ 43.3751, 22.0517,
35.8412

■ 62.7721, 51.6275,
70.7254

■ 42.3761, 21.1805,
32.0342

■ 68.8208, 61.8504,
78.5208

■ 75.8059, 73.8451,
86.9390

■ 83.7679, 87.6915,
95.9984

■ 89.6700, 97.3141,
104.6911

■ 90.4282, 97.6174,
108.6837

Harmonies

Analogous

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



43.0874, 30.6925, 86.6939



49.7873, 30.6925, 50.8771



50.2822, 30.6925, 23.2775

Triad

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



49.7873, 30.6925, 50.8771



25.3747, 30.6925, 4.2412



17.9398, 30.6925, 81.6911

Complementary

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



49.7873, 30.6925, 50.8771



41.8979, 68.1082, 39.3750

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.



14.9930, 30.6925, 46.1463



49.7873, 30.6925, 50.8771



18.6309, 30.6925, 8.1966

Square

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



49.7873, 30.6925, 50.8771



34.7598, 30.6925, 4.4959



15.2157, 30.6925, 20.4955



24.2181, 30.6925, 110.0150

Rectangle

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



49.7873, 30.6925, 50.8771



46.8967, 30.6925, 12.6375



15.2157, 30.6925, 20.4955



16.5931, 30.6925, 69.5698

Sweetspot

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



49.7883, 30.6940, 50.8777



79.5179, 73.0912, 90.9122



32.4971, 20.9773, 86.3412



16.5540, 14.8487, 18.8835



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.



49.7883, 30.6940, 50.8777



52.2874, 29.0692, 49.6529



43.7830, 28.2919, 19.2545



16.1936, 15.9271, 18.5756



22.8327, 11.4055, 17.5674



1.9472, 0.9679, 1.7128

Inverse Universe

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



49.7883, 30.6940, 50.8777



52.2874, 29.0692, 49.6529



49.7112, 71.2335, 80.5192



16.1936, 15.9271, 18.5756



22.8327, 11.4055, 17.5674



1.9472, 0.9679, 1.7128

Previews

White Background



This preview shows how the XYZ color 49.7873, 30.6925, 50.8771 looks on a white background.

Color Contrast Check

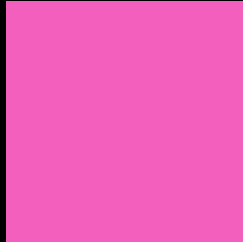
Large Text (above 18pt) WCAG AA × Fail

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 49.7873, 30.6925, 50.8771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

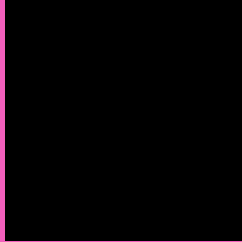
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7873, 30.6925, 50.8771

Background



This preview shows how black text looks on a background with the XYZ color 49.7873, 30.6925, 50.8771.

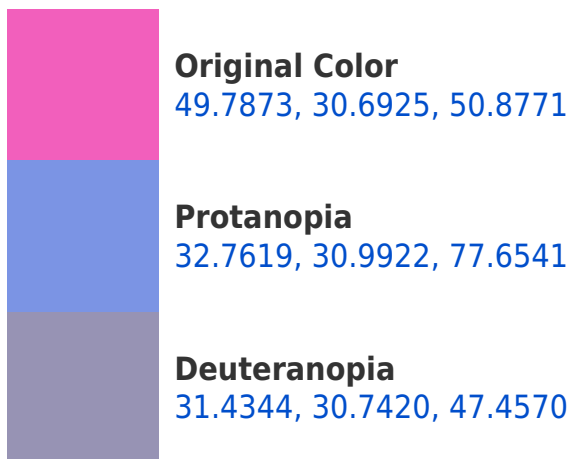


This preview shows how white text looks on a background with the XYZ color 49.7873, 30.6925,

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





Tritanopia

43.7160, 30.7531, 21.0846

Trichromacy



Original Color

49.7873, 30.6925, 50.8771



Protanomaly

35.5864, 28.6116, 66.5978



Deuteranomaly

36.0336, 29.0476, 48.5073



Tritanomaly

45.4480, 30.4988, 29.8770

Monochromacy



Original Color

49.7873, 30.6925, 50.8771



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

34.2119, 28.7129, 38.8609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7873, 30.6925, 50.8771 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(242, 95, 188)` looks like.

```
.text, #text, p{  
    color:rgb(242, 95, 188)  
}
```

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(242, 95, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 95, 188) }
```

Border

The CSS property to change the border of an element to XYZ 49.7873, 30.6925, 50.8771 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(242, 95, 188) }
```


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

```
.border{ border-color:rgb(242, 95, 188) }
```

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

Here you see how a box with a 4 pixel rgb(242, 95, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 95, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 95, 188);  
box-shadow:4px 4px 4px 4px rgb(242, 95,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7873, 30.6925, 50.8771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 95, 188) }
```

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

```
.background{ background-color: rgb(242, 95,  
188) }
```

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