

Converting Colors

XYZ(49.9440, 30.9259, 51.3975)

Have a look what the booklet for
XYZ(49.9440, 30.9259, 51.3975)
contains.

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Color

**XYZ(49.9861, 30.9171,
51.4772)**

Conversions

Conversions Part 1

Format	Color
Hex	F260BD
RGB	242, 96, 189
RGB Percent	95%, 38%, 74%
CMY	0.0510, 0.6235, 0.2588
CMYK	0.00, 0.60, 0.22, 0.05
HSL	322°, 85%, 66%
HSV	322°, 60%, 95%
XYZ	49.9861, 30.9171, 51.4772
YIQ	150.2560, 57.1630, 59.8750

Conversions

Conversions Part 2

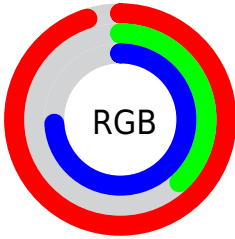
Format	Color
R _{YB}	242, 96, 189
Decimal	15884477
CIE _{Lab}	62.44, 65.50, -20.57
CIE _{LCh}	62, 68.650, 342.566
Yxy	30.9171, 0.3776, 0.2335
Android (android.graphics.Color)	4294074557 (0xFFFF260BD)
YUV	150.2560, 19.1008, 80.4595
Hunter-Lab	55.6031, 63.1624, -15.9683

Details

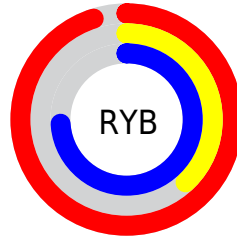
The XYZ color **49.9861, 30.9171, 51.4772** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **42.0024, 68.1619, 39.3798**, and the grayscale version is **29.0038, 30.5143, 33.2300**.

A 20% lighter version of the original color is **69.1127, 50.6350, 92.5171**, and **24.2518, 12.7557, 24.4764** is the 20% darker color. If you saturate the color by 10%, you get **47.1832, 26.7913, 45.9795**, and if you desaturate by 10%, it is **53.5280, 36.4277, 57.5068**.

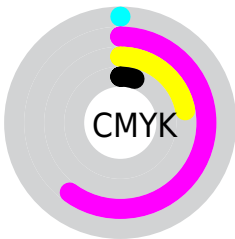
Distribution



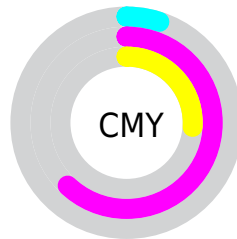
- Red (95%)
- Green (38%)
- Blue (74%)



- Red (95%)
- Yellow (38%)
- Blue (74%)



- Cyan (0%)
- Magenta (60%)
- Yellow (22%)
- Black (5%)





- Cyan (5%)
- Magenta (62%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9861, 30.9171, 51.4772 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 49.9861, 30.9171, 51.4772 by changing the saturation by 10% instead.


 49.9861, 30.9171,
51.4772


 49.9861, 30.9171,
51.4772

377.0645,
306.1562, 409.3143


 35.6201, 20.5357,
36.2092


 89.3462, 61.1095,
93.7785


 24.3097, 12.7851,
24.3048


 115.0711, 81.6894,
121.6488

 15.6895, 7.2807,
15.3456


 145.3129,
106.4375, 154.5570

 9.3941, 3.6383,
8.9130

 180.4371,
135.7383, 192.9215

 5.0583, 1.4733,
4.5884

220.8090,
169.9762, 237.1610

 2.3166, 0.2699,
1.9534

266.7939,

 0.8032, 0.0000,

209.5355, 287.6939

0.5264

318.7573,
254.8008, 344.9389

■ 0.0000, 0.0000,
0.0000

■ 49.9861, 30.9171,
51.4772

■ 49.9861, 30.9171,
51.4772

■ 47.1832, 26.7913,
45.9795

■ 53.5280, 36.4277,
57.5068

■ 45.0508, 23.9160,
40.9851

■ 57.8634, 43.4317,
64.0905

■ 43.5117, 22.1381,
36.4634

■ 63.0449, 52.0323,
71.2510

■ 42.4631, 21.2153,
32.4930

■ 69.1195, 62.3219,
79.0084

■ 76.1306, 74.3862,
87.3819

■ 84.1189, 88.3047,
96.3894

■ 89.7116, 97.3307,
104.9109

■ 90.4281, 97.6173,
108.6837

Harmonies

Analogous

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



43.2337, 30.9171, 87.2957



49.9861, 30.9171, 51.4772



50.5489, 30.9171, 23.6962

Triad

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



49.9861, 30.9171, 51.4772



25.6607, 30.9171, 4.3234



18.0754, 30.9171, 81.6126

Complementary

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



49.9861, 30.9171, 51.4772



42.0024, 68.1619, 39.3798

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.



15.1480, 30.9171, 46.0945



49.9861, 30.9171, 51.4772



18.8641, 30.9171, 8.2634

Square

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



49.9861, 30.9171, 51.4772



35.0817, 30.9171, 4.6166



15.4024, 30.9171, 20.5217



24.3424, 30.9171, 110.0863

Rectangle

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



49.9861, 30.9171, 51.4772



47.2006, 30.9171, 12.9219



15.4024, 30.9171, 20.5217



16.7341, 30.9171, 69.4854

Sweetspot

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



49.9871, 30.9186, 51.4778



79.5472, 73.1029, 91.0664



32.2622, 20.9908, 86.3560



16.5612, 14.8515, 18.9213



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.



49.9871, 30.9186, 51.4778



52.6334, 29.4634, 50.6866



44.0662, 28.5503, 20.2987



16.1966, 15.9283, 18.5915



22.8793, 11.4241, 17.8127



1.9509, 0.9694, 1.7321

Inverse Universe

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



49.9871, 30.9186, 51.4778



52.6334, 29.4634, 50.6866



49.5087, 71.1644, 78.9074



16.1966, 15.9283, 18.5915



22.8793, 11.4241, 17.8127



1.9509, 0.9694, 1.7321

Previews

White Background



This preview shows how the XYZ color 49.9861, 30.9171, 51.4772 looks on a white background.

Color Contrast Check

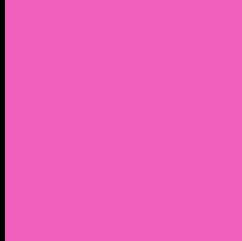
Large Text (above 18pt) WCAG AA × Fail

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 49.9861, 30.9171, 51.4772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

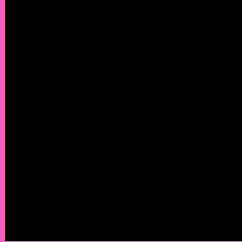
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9861, 30.9171, 51.4772

Background



This preview shows how black text looks on a background with the XYZ color 49.9861, 30.9171, 51.4772.

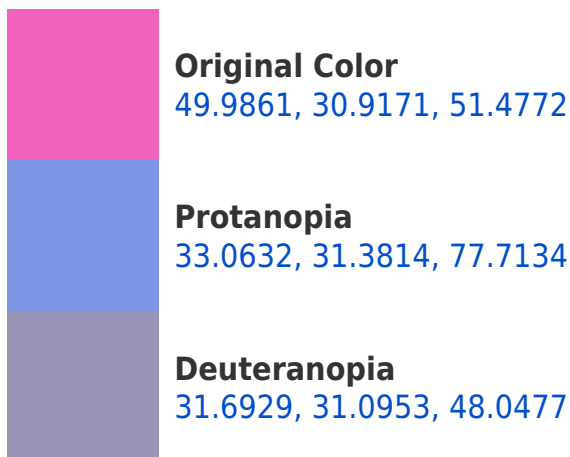


This preview shows how white text looks on a background with the XYZ color 49.9861, 30.9171,

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

43.8874, 30.9992, 21.4396

Trichromacy



Original Color

49.9861, 30.9171, 51.4772



Protanomaly

36.0566, 29.0358, 67.3224



Deuteranomaly

36.2692, 29.3516, 49.1012



Tritanomaly

45.6284, 30.7369, 30.3160

Monochromacy



Original Color

49.9861, 30.9171, 51.4772



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 49.9861, 30.9171, 51.4772 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, 96, 189)` looks like.

```
.text, #text, p{  
    color:rgb(242, 96, 189)  
}
```

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, 96, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 96, 189) }
```

Border

The CSS property to change the border of an element to XYZ 49.9861, 30.9171, 51.4772 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, 96, 189) }
```


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

```
.border{ border-color:rgb(242, 96, 189) }
```

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

Here you see how a box with a 4 pixel rgb(242, 96, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 96, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 96, 189);  
box-shadow:4px 4px 4px 4px rgb(242, 96,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9861, 30.9171, 51.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 96, 189) }
```

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

```
.background{ background-color: rgb(242, 96,  
189) }
```

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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