

Converting Colors

XYZ(49.3689, 30.7280, 46.4314)

Have a look what the booklet for
XYZ(49.3689, 30.7280, 46.4314)
contains.

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Color

**XYZ(49.3832, 30.7157,
46.5060)**

Conversions

Conversions Part 1

Format	Color
Hex	F360B4
RGB	243, 96, 180
RGB Percent	95%, 38%, 71%
CMY	0.0471, 0.6235, 0.2941
CMYK	0.00, 0.60, 0.26, 0.05
HSL	326°, 86%, 66%
HSV	326°, 60%, 95%
XYZ	49.3832, 30.7157, 46.5060
YIQ	149.5290, 60.6480, 57.2880

Conversions

Conversions Part 2

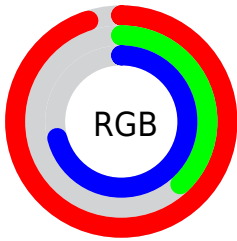
Format	Color
R _Y B	243, 96, 180
Decimal	15950004
CIE Lab	62.27, 64.60, -15.68
CIE LCh	62, 66.478, 346.361
Yxy	30.7157, 0.3901, 0.2426
Android (android.graphics.Color)	4294140084 (0xFFFF360B4)
YUV	149.5290, 15.0222, 81.9741
Hunter-Lab	55.4217, 62.0632, -10.9567

Details

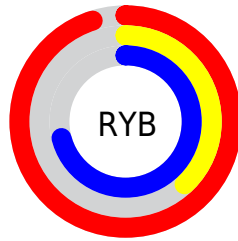
The XYZ color **49.3832, 30.7157, 46.5060** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **43.1341, 69.0920, 43.8671**, and the grayscale version is **28.7120, 30.2072, 32.8957**.

A 20% lighter version of the original color is **67.7716, 50.0986, 85.4549**, and **23.8757, 12.6326, 21.2586** is the 20% darker color. If you saturate the color by 10%, you get **46.4773, 26.5384, 40.4979**, and if you desaturate by 10%, it is **53.0556, 36.2978, 53.1635**.

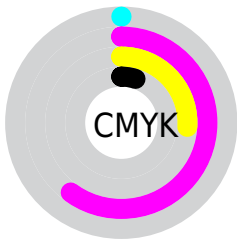
Distribution



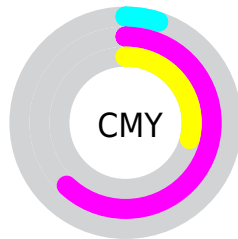
- Red (95%)
- Green (38%)
- Blue (71%)



- Red (95%)
- Yellow (38%)
- Blue (71%)



- Cyan (0%)
- Magenta (60%)
- Yellow (26%)
- Black (5%)





- Cyan (5%)
- Magenta (62%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3832, 30.7157, 46.5060 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 49.3832, 30.7157, 46.5060 by changing the saturation by 10% instead.


 49.3832, 30.7157,
46.5060


 49.3832, 30.7157,
46.5060


374.7409,
305.2264, 389.1757

 35.1393, 20.3825,
32.2938


 88.4576, 60.7922,
86.3180


 23.9372, 12.6734,
21.3193


 114.0189, 81.3042,
112.7549

 15.4116, 7.2040,
13.1641


 144.0834,
105.9780, 144.1036

 9.1969, 3.5900,
7.4096

 179.0164,
135.1979, 180.7829

 4.9280, 1.4470,
3.6372

219.1833,
169.3482, 223.2112

 2.2394, 0.2510,
1.4285

264.9494,

 0.7634, 0.0000,

208.8135, 271.8071

0.1638

316.6802,
253.9781, 326.9891

■ 0.0000, 0.0000,
0.0000

■ 49.3832, 30.7157,
46.5060

■ 49.3832, 30.7157,
46.5060

■ 46.4773, 26.5384,
40.4979

■ 53.0556, 36.2978,
53.1635

■ 44.2680, 23.6297,
35.1066

■ 57.5505, 43.3950,
60.4965

■ 42.6762, 21.8340,
30.2970

■ 62.9217, 52.1119,
68.5315

■ 41.6117, 20.9145,
26.2133

■ 69.2175, 62.5425,
77.2922

■ 76.4824, 74.7733,
86.8011

■ 84.7579, 88.8851,
97.0796

■ 90.4366, 97.6605,
106.9323

■ 90.7722, 97.7947,
108.6998

Harmonies

Analogous

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



43.5504, 30.7157, 80.4661



49.3832, 30.7157, 46.5060



49.0826, 30.7157, 21.3639

Triad

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



49.3832, 30.7157, 46.5060



24.5977, 30.7157, 4.9036



18.8301, 30.7157, 83.4836

Complementary

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



49.3832, 30.7157, 46.5060



43.1341, 69.0920, 43.8671

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.



15.5682, 30.7157, 49.3886



49.3832, 30.7157, 46.5060



18.4008, 30.7157, 9.6161

Square

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



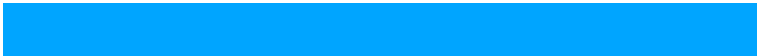
49.3832, 30.7157, 46.5060



33.4561, 30.7157, 4.7366



15.4291, 30.7157, 23.0903



25.3108, 30.7157, 108.1437

Rectangle

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



49.3832, 30.7157, 46.5060



45.4150, 30.7157, 11.8657



15.4291, 30.7157, 23.0903



17.3848, 30.7157, 72.1403

Sweetspot

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



49.3841, 30.7173, 46.5066



79.1078, 72.9271, 88.7526



34.3157, 22.0321, 87.2382



16.4537, 14.8085, 18.3554



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.



49.3841, 30.7173, 46.5066



51.1182, 28.6015, 43.4961



43.8663, 28.5101, 17.4503



16.8960, 16.6412, 19.1987



22.9069, 11.5062, 14.7497



2.0647, 1.0319, 1.5672

Inverse Universe

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



49.3841, 30.7173, 46.5066



51.1182, 28.6015, 43.4961



51.2640, 72.3440, 86.6789



16.8960, 16.6412, 19.1987



22.9069, 11.5062, 14.7497



2.0647, 1.0319, 1.5672

Previews

White Background



This preview shows how the XYZ color 49.3832, 30.7157, 46.5060 looks on a white background.

Color Contrast Check

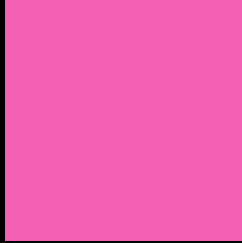
Large Text (above 18pt) WCAG AA × Fail

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 49.3832, 30.7157, 46.5060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

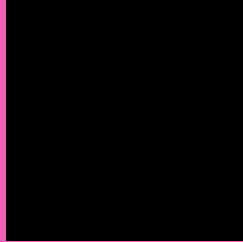
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3832, 30.7157, 46.5060

Background



This preview shows how black text looks on a background with the XYZ color 49.3832, 30.7157, 46.5060.



This preview shows how white text looks on a background with the XYZ color 49.3832, 30.7157,

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

49.3832, 30.7157, 46.5060

Protanopia

32.4556, 31.2240, 70.6459

Deuteranopia

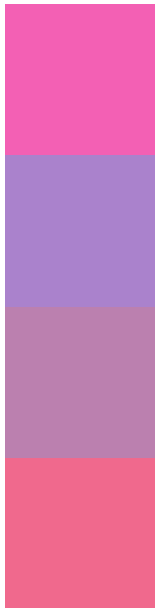
31.3977, 30.8146, 43.3227



Tritanopia

44.1058, 30.6370, 20.7284

Trichromacy



Original Color

49.3832, 30.7157, 46.5060

Protanomaly

35.4593, 28.8709, 60.8305

Deuteranomaly

35.9506, 29.0983, 44.2792

Tritanomaly

45.7945, 30.5515, 28.6827

Monochromacy



Original Color

49.3832, 30.7157, 46.5060

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

34.1828, 28.7288, 37.4618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3832, 30.7157, 46.5060 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(243, 96, 180)` looks like.

```
.text, #text, p{  
    color:rgb(243, 96, 180)  
}
```

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(243, 96, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 96, 180) }
```

Border

The CSS property to change the border of an element to XYZ 49.3832, 30.7157, 46.5060 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(243, 96, 180) }
```


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

```
.border{ border-color:rgb(243, 96, 180) }
```

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

Here you see how a box with a 4 pixel rgb(243, 96, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 96, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 96, 180);  
box-shadow:4px 4px 4px 4px rgb(243, 96,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3832, 30.7157, 46.5060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 96, 180) }
```

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

```
.background{ background-color: rgb(243, 96,  
180) }
```

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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