

Converting Colors

XYZ(49.8690, 30.9774, 48.8011)

Have a look what the booklet for
XYZ(49.8690, 30.9774, 48.8011)
contains.

XYZ(49.7967, 30.8811, 48.6835)	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(49.7967, 30.8811,
48.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	F360B8
RGB	243, 96, 184
RGB Percent	95%, 38%, 72%
CMY	0.0471, 0.6235, 0.2784
CMYK	0.00, 0.60, 0.24, 0.05
HSL	324°, 86%, 66%
HSV	324°, 60%, 95%
XYZ	49.7967, 30.8811, 48.6835
YIQ	149.9850, 59.3640, 58.5320

Conversions

Conversions Part 2

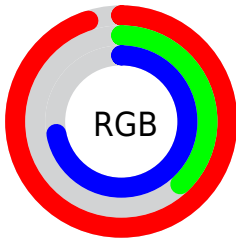
Format	Color
R _Y B	243, 96, 184
Decimal	15950008
CIE Lab	62.41, 65.12, -17.75
CIE LCh	62, 67.493, 344.753
Yxy	30.8811, 0.3849, 0.2387
Android (android.graphics.Color)	4294140088 (0xFFFF360B8)
YUV	149.9850, 16.7694, 81.5742
Hunter-Lab	55.5708, 62.7042, -13.0422

Details

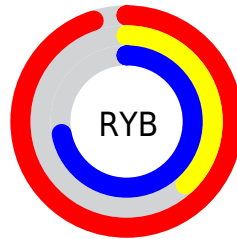
The XYZ color **49.7967, 30.8811, 48.6835** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **42.7924, 68.9554, 42.0680**, and the grayscale version is **28.8979, 30.4028, 33.1087**.

A 20% lighter version of the original color is **68.3594, 50.3337, 88.5505**, and **24.1417, 12.7390, 22.6592** is the 20% darker color. If you saturate the color by 10%, you get **46.9249, 26.7174, 42.8546**, and if you desaturate by 10%, it is **53.4258, 36.4459, 55.1132**.

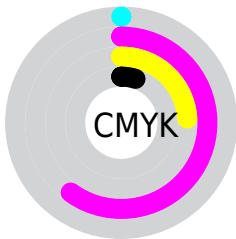
Distribution



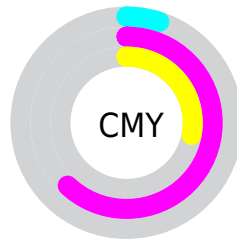
- Red (95%)
- Green (38%)
- Blue (72%)



- Red (95%)
- Yellow (38%)
- Blue (72%)



- Cyan (0%)
- Magenta (60%)
- Yellow (24%)
- Black (5%)




- Cyan (5%)
- Magenta (62%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7967, 30.8811, 48.6835 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 49.7967, 30.8811, 48.6835 by changing the saturation by 10% instead.


 49.7967, 30.8811,
48.6835

 49.7967, 30.8811,
48.6835

376.3355,
305.9902, 398.0816


 35.4690, 20.5083,
34.0046


 89.0672, 61.0528,
89.5973


 24.1926, 12.7651,
22.6198


 114.7408, 81.6206,
116.6694

 15.6021, 7.2670,
14.1104


 144.9270,
106.3554, 148.7096

 9.3321, 3.6296,
8.0578

 179.9912,
135.6418, 186.1364

 5.0172, 1.4686,
4.0437

220.2988,
169.8640, 229.3685

 2.2922, 0.2665,
1.6493

266.2152,

 0.7907, 0.0000,

209.4066, 278.8244

0.3257

318.1056,
254.6538, 334.9226

■ 0.0000, 0.0000,
0.0000

■ 49.7967, 30.8811,
48.6835

■ 49.7967, 30.8811,
48.6835

■ 46.9249, 26.7174,
42.8546

■ 53.4258, 36.4459,
55.1132

■ 44.7407, 23.8187,
37.5955

■ 57.8680, 43.5220,
62.1683

■ 43.1654, 22.0297,
32.8731

■ 63.1766, 52.2139,
69.8733

■ 42.1090, 21.1134,
28.8324

■ 69.3995, 62.6153,
78.2507

■ 76.5812, 74.8128,
87.3214

84.7628, 88.8871,
97.1053

90.3366, 97.6205,
106.4058

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.



43.5549, 30.8811, 83.5682



49.7967, 30.8811, 48.6835



49.8525, 30.8811, 22.3607

Triad

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



49.7967, 30.8811, 48.6835



25.0973, 30.8811, 4.6517



18.5509, 30.8811, 83.0065

Complementary

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



49.7967, 30.8811, 48.6835



42.7924, 68.9554, 42.0680

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.



15.4189, 30.8811, 48.1491



49.7967, 30.8811, 48.6835



18.6299, 30.8811, 9.0414

Square

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



49.7967, 30.8811, 48.6835



34.2232, 30.8811, 4.6818



15.4444, 30.8811, 22.0429



24.9657, 30.8811, 109.3777

Rectangle

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



49.7967, 30.8811, 48.6835



46.3001, 30.8811, 12.3110



15.4444, 30.8811, 22.0429



17.1444, 30.8811, 71.2788

Sweetspot

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



49.7976, 30.8827, 48.6841



79.2893, 72.9997, 89.7082



33.8415, 21.7876, 87.2160



16.4981, 14.8263, 18.5889



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.



49.7976, 30.8827, 48.6841



51.6260, 28.8047, 46.1703



43.9990, 28.5632, 18.1488



16.9156, 16.6491, 19.3022



23.1793, 11.6152, 16.1846



2.0880, 1.0411, 1.6895

Inverse Universe

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



49.7976, 30.8827, 48.6841



51.6260, 28.8047, 46.1703



50.9208, 72.2068, 84.8716



16.9156, 16.6491, 19.3022



23.1793, 11.6152, 16.1846



2.0880, 1.0411, 1.6895

Previews

White Background



This preview shows how the XYZ color 49.7967, 30.8811, 48.6835 looks on a white background.

Color Contrast Check

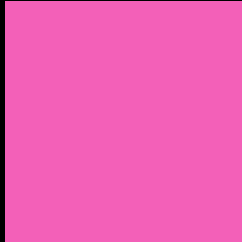
Large Text (above 18pt) WCAG AA × Fail

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 49.7967, 30.8811, 48.6835 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 49.7967, 30.8811, 48.6835

Background



This preview shows how black text looks on a background with the XYZ color 49.7967, 30.8811, 48.6835.

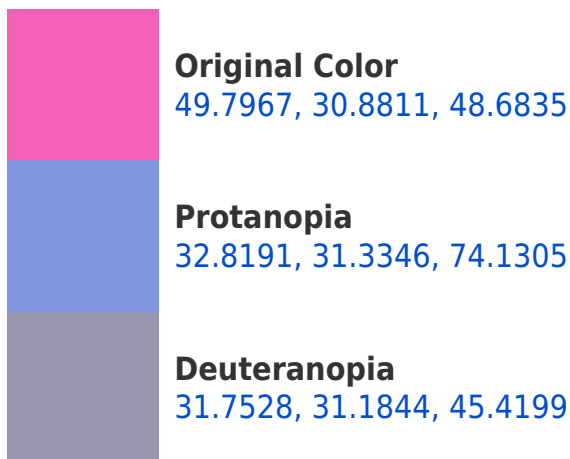


This preview shows how white text looks on a background with the XYZ color 49.7967, 30.8811,

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

43.9393, 30.7053, 21.0636

Trichromacy



Original Color

49.7967, 30.8811, 48.6835



Protanomaly

35.8534, 29.0037, 64.0302



Deuteranomaly

36.2366, 29.3943, 46.4116



Tritanomaly

45.7086, 30.6420, 29.4920

Monochromacy



Original Color

49.7967, 30.8811, 48.6835



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

34.2714, 28.7642, 37.9282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7967, 30.8811, 48.6835 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(243, 96, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 96, 184) }
```

Border

The CSS property to change the border of an element to XYZ 49.7967, 30.8811, 48.6835 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, 184) }
```


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

```
.border{ border-color:rgb(243, 96, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 96, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 96, 184);  
box-shadow:4px 4px 4px 4px rgb(243, 96,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7967, 30.8811, 48.6835 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, 184) }
```

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

```
.background{ background-color: rgb(243, 96,  
184) }
```

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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