

Converting Colors

XYZ(48.6500, 29.9229, 44.4918)

Have a look what the booklet for
XYZ(48.6500, 29.9229, 44.4918)
contains.

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Color

**XYZ(48.7130, 30.0180,
44.3009)**

Conversions

Conversions Part 1

Format	Color
Hex	F35DB0
RGB	243, 93, 176
RGB Percent	95%, 36%, 69%
CMY	0.0471, 0.6353, 0.3098
CMYK	0.00, 0.62, 0.28, 0.05
HSL	327°, 86%, 66%
HSV	327°, 62%, 95%
XYZ	48.7130, 30.0180, 44.3009
YIQ	147.3120, 62.7570, 57.6130

Conversions

Conversions Part 2

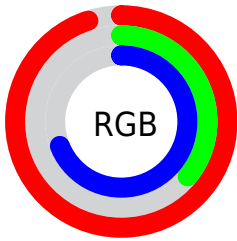
Format	Color
R _Y B	243, 93, 176
Decimal	15949232
CIE Lab	61.67, 65.35, -14.29
CIE LCh	62, 66.894, 347.668
Yxy	30.0180, 0.3959, 0.2440
Android (android.graphics.Color)	4294139312 (0xFFFF35DB0)
YUV	147.3120, 14.1432, 83.9184
Hunter-Lab	54.7887, 62.8254, -9.5885

Details

The XYZ color **48.7130, 30.0180, 44.3009** 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 **42.9116, 68.9674, 44.3118**, and the grayscale version is **27.7887, 29.2359, 31.8378**.

A 20% lighter version of the original color is **66.7118, 48.8989, 82.2663**, and **23.4955, 12.2812, 19.8710** is the 20% darker color. If you saturate the color by 10%, you get **45.8773, 25.9971, 38.2670**, and if you desaturate by 10%, it is **52.3137, 35.4310, 51.0141**.

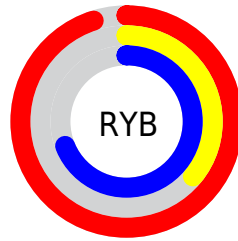
Distribution



Red (95%)

Green (36%)

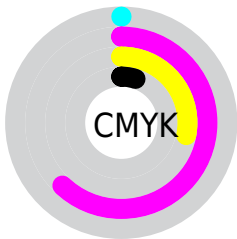
Blue (69%)



Red (95%)

Yellow (36%)

Blue (69%)

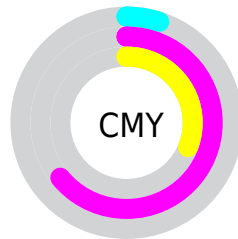


Cyan (0%)

Magenta (62%)

Yellow (28%)

Black (5%)



Cyan (5%)


Magenta (64%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7130, 30.0180, 44.3009 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 48.7130, 30.0180, 44.3009 by changing the saturation by 10% instead.


 48.7130, 30.0180,
44.3009

 48.7130, 30.0180,
44.3009


372.1471,
301.9883, 380.0120


 34.6055, 19.8523,
30.5682


 87.4683, 59.6906,
82.9776


 23.5242, 12.2877,
20.0146


 112.8468, 79.9663,
108.7587

 15.1039, 6.9399,
12.2215


 142.7131,
104.3808, 139.3931

 8.9791, 3.4246,
6.7703

 177.4323,
133.3184, 175.2992

 4.7846, 1.3572,
3.2426

217.3700,
167.1636, 216.8956

 2.1549, 0.1849,
1.2198

262.8915,

 0.7188, 0.0000,

206.3007, 264.6008

0.0000

314.3620,
251.1141, 318.8334

■ 0.0000, 0.0000,
0.0000

■ 48.7130, 30.0180,
44.3009

■ 48.7130, 30.0180,
44.3009

■ 45.8773, 25.9971,
38.2670

■ 52.3137, 35.4310,
51.0141

■ 43.7353, 23.2295,
32.8779

■ 56.7367, 42.3483,
58.4344

■ 42.2054, 21.5553,
28.0966

■ 62.0366, 50.8758,
66.5895

■ 41.2972, 20.7887,
24.5569

■ 68.2623, 61.1086,
75.5046

■ 75.4591, 73.1343,
85.2036

■ 83.6691, 87.0343,
95.7088

■ 90.2902, 97.6019,
106.1612

■ 90.7723, 97.7948,
108.6998

Harmonies

Analogous

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



43.1341, 30.0180, 78.0092



48.7130, 30.0180, 44.3009



48.1266, 30.0180, 19.9584

Triad

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



48.7130, 30.0180, 44.3009



23.6488, 30.0180, 4.7034



18.4942, 30.0180, 83.9117

Complementary

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



48.7130, 30.0180, 44.3009



42.9116, 68.9674, 44.3118

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.



15.1409, 30.0180, 49.9184



48.7130, 30.0180, 44.3009



17.6635, 30.0180, 9.5515

Square

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



48.7130, 30.0180, 44.3009



32.3419, 30.0180, 4.3867



14.8724, 30.0180, 23.3001



25.0323, 30.0180, 107.6853

Rectangle

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



48.7130, 30.0180, 44.3009



44.3231, 30.0180, 10.9600



14.8724, 30.0180, 23.3001



17.0217, 30.0180, 72.6830

Sweetspot

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



48.7139, 30.0195, 44.3015



78.2031, 71.5716, 87.0521



34.1943, 21.5709, 87.1557



16.2713, 14.5427, 17.9889



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.



48.7139, 30.0195, 44.3015



50.5288, 28.1208, 41.1479



43.3259, 27.8644, 15.9289



16.8829, 16.6360, 19.1301



22.7343, 11.4372, 13.8410



2.0498, 1.0259, 1.4889

Inverse Universe

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



48.7139, 30.0195, 44.3015



50.5288, 28.1208, 41.1479



51.2739, 72.3122, 88.3467



16.8829, 16.6360, 19.1301



22.7343, 11.4372, 13.8410



2.0498, 1.0259, 1.4889

Previews

White Background



This preview shows how the XYZ color 48.7130, 30.0180, 44.3009 looks on a white background.

Color Contrast Check

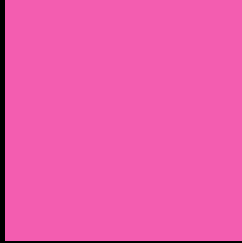
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7130, 30.0180, 44.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

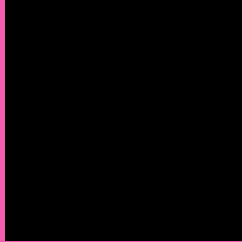
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7130, 30.0180, 44.3009

Background



This preview shows how black text looks on a background with the XYZ color 48.7130, 30.0180, 44.3009.



This preview shows how white text looks on a background with the XYZ color 48.7130, 30.0180,

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

48.7130, 30.0180, 44.3009

Protanopia

31.4734, 30.3117, 67.8102

Deuteranopia

30.7109, 30.0465, 41.2267



Tritanopia

43.6121, 29.9303, 19.6982

Trichromacy



Original Color

48.7130, 30.0180, 44.3009



Protanomaly

34.5923, 27.8949, 58.2046



Deuteranomaly

35.3051, 28.4268, 42.1542



Tritanomaly

45.2019, 29.8342, 27.0431

Monochromacy



Original Color

48.7130, 30.0180, 44.3009



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

33.0523, 27.5924, 35.9316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7130, 30.0180, 44.3009 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, 93, 176)` looks like.

```
.text, #text, p{  
    color:rgb(243, 93, 176)  
}
```

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, 93, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 93, 176) }
```

Border

The CSS property to change the border of an element to XYZ 48.7130, 30.0180, 44.3009 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, 93, 176) }
```


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

```
.border{ border-color:rgb(243, 93, 176) }
```

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

Here you see how a box with a 4 pixel rgb(243, 93, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 93, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 93, 176);  
box-shadow:4px 4px 4px 4px rgb(243, 93,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7130, 30.0180, 44.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 93, 176) }
```

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

```
.background{ background-color: rgb(243, 93,  
176) }
```

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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