

# Converting Colors

XYZ(71.2882, 40.2040, 47.4405)

Have a look what the booklet for  
XYZ(71.2882, 40.2040, 47.4405)  
contains.

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# Color

**XYZ(52.4206, 30.4401,  
46.2927)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FF51B4                     |
| RGB         | 255, 81, 180               |
| RGB Percent | 100%, 32%, 71%             |
| CMY         | 0.0000, 0.6823, 0.2941     |
| CMYK        | 0.00, 0.68, 0.29, 0.00     |
| HSL         | 326°, 100%, 66%            |
| HSV         | 326°, 68%, 100%            |
| XYZ         | 52.4206, 30.4401, 46.2927  |
| YIQ         | 144.3120, 71.9250, 67.6770 |

# Conversions

## Conversions Part 2

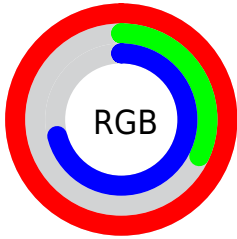
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 81, 180                  |
| Decimal                             | 16732596                      |
| CIE <sub>Lab</sub>                  | 62.03, 73.69, -15.85          |
| CIE <sub>LCh</sub>                  | 62, 75.378, 347.862           |
| Yxy                                 | 30.4401, 0.4059,<br>0.2357    |
| Android<br>(android.graphics.Color) | 4294922676<br>(0xFFFF51B4)    |
| YUV                                 | 144.3120, 17.5942,<br>97.0734 |
| Hunter-Lab                          | 55.1725, 73.0447,<br>-11.1267 |

# Details

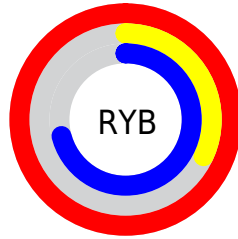
The XYZ color **52.4206, 30.4401, 46.2927** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **45.1558, 75.6704, 43.6826**, and the grayscale version is **26.5476, 27.9301, 30.4159**.

A 20% lighter version of the original color is **65.9052, 46.3659, 84.8328**, and **26.0789, 13.0016, 21.2137** is the 20% darker color. If you saturate the color by 10%, you get **49.7928, 26.9060, 40.1094**, and if you desaturate by 10%, it is **55.8499, 35.4348, 53.1819**.

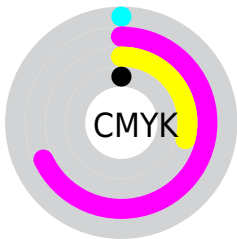
# Distribution



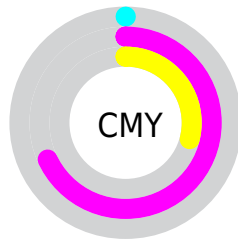
- Red (100%)
- Green (32%)
- Blue (71%)



- Red (100%)
- Yellow (32%)
- Blue (71%)



- Cyan (0%)
- Magenta (68%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4206, 30.4401, 46.2927 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 52.4206, 30.4401, 46.2927 by changing the saturation by 10% instead.





 52.4206, 30.4401,  
46.2927

 52.4206, 30.4401,  
46.2927


386.3556,  
303.9505, 388.2959


 37.5661, 20.1729,  
32.1265


 92.9218, 60.3575,  
85.9958


 25.8218, 12.5208,  
21.1925


 119.2992, 80.7764,  
112.3697

 16.8223, 7.0994,  
13.0722


 150.2482,  
105.3481, 143.6501

 10.2024, 3.5243,  
7.3470

 186.1342,  
134.4568, 180.2553

 5.5967, 1.4112,  
3.5983

227.3226,  
168.4870, 222.6039

 2.6397, 0.2250,  
1.4077

274.1787,

 0.9662, 0.0000,

207.8231, 271.1146

0.1477

327.0679,  
252.8495, 326.2057

■ 0.0000, 0.0000,  
0.0000

■ 52.4206, 30.4401,  
46.2927

■ 52.4206, 30.4401,  
46.2927

■ 49.7928, 26.9060,  
40.1094

■ 55.8499, 35.4348,  
53.1819

■ 47.8775, 24.6583,  
34.5914

■ 60.1515, 42.0288,  
60.8095


■ 46.5574, 23.4653,  
29.6894

■ 65.3907, 50.3498,  
69.2071

■ 46.3571, 23.3068,  
28.8761

■ 71.6258, 60.5112,  
78.4032

■ 78.9101, 72.6167,  
88.4246

 87.2929, 86.7623,  
99.2963

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



45.8865, 30.4401, 86.3315



52.4206, 30.4401, 46.2927



51.6771, 30.4401, 18.8252

# Triad

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



52.4206, 30.4401, 46.2927



23.3668, 30.4401, 3.3698



17.7455, 30.4401, 93.9934

# Complementary

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



52.4206, 30.4401, 46.2927



45.1558, 75.6704, 43.6826

# 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.



14.0863, 30.4401, 53.3357



52.4206, 30.4401, 46.2927



16.7724, 30.4401, 8.0568

# Square

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



52.4206, 30.4401, 46.2927



33.2185, 30.4401, 3.0658



13.7775, 30.4401, 22.7557



25.0318, 30.4401, 122.8875



# Rectangle

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



52.4206, 30.4401, 46.2927



47.1673, 30.4401, 9.3621



13.7775, 30.4401, 22.7557



16.1320, 30.4401, 80.4414

# Sweetspot

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



52.4215, 30.4417, 46.2932



77.5432, 70.3298, 86.5909



34.2257, 19.9280, 96.6503



16.1474, 14.3034, 17.9219



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.



52.4215, 30.4417, 46.2932



48.9924, 25.9179, 37.9539



46.2720, 27.9819, 13.9105



18.4424, 18.1603, 20.9469



24.2989, 12.2089, 15.4904



2.4207, 1.2107, 1.7969



# Inverse Universe

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



52.4215, 30.4417, 46.2932



48.9924, 25.9179, 37.9539



54.9569, 79.5909, 95.2947



18.4424, 18.1603, 20.9469



24.2989, 12.2089, 15.4904



2.4207, 1.2107, 1.7969



# Previews

## White Background



This preview shows how the XYZ color 52.4206, 30.4401, 46.2927 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

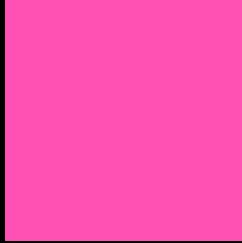
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.4206, 30.4401, 46.2927 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

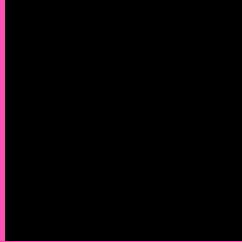
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.4206, 30.4401, 46.2927**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4206, 30.4401, 46.2927.



This preview shows how white text looks on a background with the XYZ color 52.4206, 30.4401,



# 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

52.4206, 30.4401, 46.2927

### Protanopia

32.6195, 30.9188, 77.6475

### Deuteranopia

31.1471, 30.4666, 42.7671



## Tritanopia

46.2779, 30.3156, 17.3223

# Trichromacy



## Original Color

52.4206, 30.4401, 46.2927



## Protanomaly

35.5431, 27.6645, 65.0945



## Deuteranomaly

36.0854, 28.0514, 43.5570



## Tritanomaly

48.0011, 30.0592, 25.8263

# Monochromacy



## Original Color

52.4206, 30.4401, 46.2927



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

32.6903, 26.2994, 35.2516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4206, 30.4401, 46.2927 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(255, 81, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 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(255, 81, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4206, 30.4401, 46.2927 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(255, 81, 180) }
```



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

```
.border{ border-color:rgb(255, 81, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 81, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4206, 30.4401, 46.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 180) }
```

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

```
.background{ background-color: rgb(255, 81,  
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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