

# Converting Colors

XYZ(51.0761, 29.8804, 47.8093)

Have a look what the booklet for  
XYZ(51.0761, 29.8804, 47.8093)  
contains.

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# Color

**XYZ(51.0648, 29.9294,  
47.8853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA53B7
RGB	250, 83, 183
RGB Percent	98%, 33%, 72%
CMY	0.0196, 0.6745, 0.2824
CMYK	0.00, 0.67, 0.27, 0.02
HSL	324°, 94%, 65%
HSV	324°, 67%, 98%
XYZ	51.0648, 29.9294, 47.8853
YIQ	144.3330, 67.4320, 66.5040

# Conversions

## Conversions Part 2

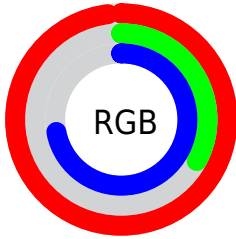
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">250, 83, 183</a>
Decimal	<a href="#">16405431</a>
CIELab	<a href="#">61.59, 72.02, -18.31</a>
CIElCh	<a href="#">62, 74.310, 345.734</a>
Yxy	<a href="#">29.9294, 0.3962, 0.2322</a>
Android (android.graphics.Color)	<a href="#">4294595511</a> ( <a href="#">0xFFFA53B7</a> )
YUV	<a href="#">144.3330, 19.0628, 92.6700</a>
Hunter-Lab	<a href="#">54.7078, 70.8752, -13.6007</a>

# Details

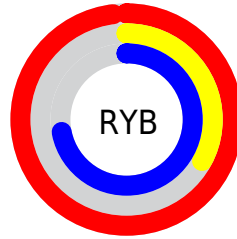
The XYZ color **51.0648, 29.9294, 47.8853** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **43.2596, 72.4131, 40.5552**, and the grayscale version is **26.5515, 27.9343, 30.4204**.

A 20% lighter version of the original color is **66.6424, 47.1369, 87.2472**, and **25.0155, 12.4305, 22.2000** is the 20% darker color. If you saturate the color by 10%, you get **48.4779, 26.3671, 42.0543**, and if you desaturate by 10%, it is **54.4171, 34.9028, 54.3391**.

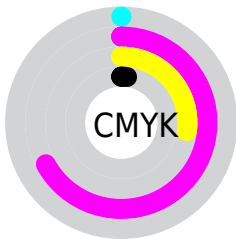
# Distribution



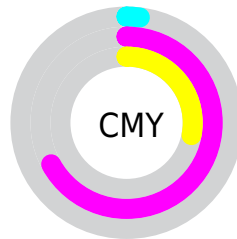
- Red (98%)
- Green (33%)
- Blue (72%)



- Red (98%)
- Yellow (33%)
- Blue (72%)



- Cyan (0%)
- Magenta (67%)
- Yellow (27%)
- Black (2%)




- Cyan (2%)
- Magenta (67%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0648, 29.9294, 47.8853 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 51.0648, 29.9294, 47.8853 by changing the saturation by 10% instead.





 51.0648, 29.9294,  
47.8853


 51.0648, 29.9294,  
47.8853

381.1990,  
301.5752, 394.8329


 36.4814, 19.7850,  
33.3767


 90.9330, 59.5505,  
88.3974


 24.9781, 12.2389,  
22.1417


 116.9485, 79.7960,  
115.2379

 16.1894, 6.9066,  
13.7618


 147.5054,  
104.1774, 147.0263

 9.7499, 3.4037,  
7.8183

 182.9692,  
133.0789, 184.1809

 5.2945, 1.3460,  
3.8928

223.7050,  
166.8851, 227.1203

 2.4576, 0.1764,  
1.5667

270.0784,

 0.8739, 0.0000,

205.9803, 276.2631

0.2669

322.4546,  
250.7488, 332.0278

■ 0.0000, 0.0000,  
0.0000

■ 51.0648, 29.9294,  
47.8853

■ 51.0648, 29.9294,  
47.8853

■ 48.4779, 26.3671,  
42.0543

■ 54.4171, 34.9028,  
54.3391

■ 46.5740, 24.0545,  
36.8102

■ 58.6001, 41.4165,  
61.4440

■ 45.2536, 22.7948,  
32.1124

■ 63.6749, 49.5899,  
69.2278

■ 44.9049, 22.5162,  
30.7051

■ 69.6957, 59.5294,  
77.7156

■ 76.7125, 71.3325,  
86.9307

84.7715, 85.0896,  
96.8953

92.9481, 98.9495,  
107.3075

93.2344, 99.0640,  
108.8150

# Harmonies

## Analogous

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



44.3004, 29.9294, 87.0867



51.0648, 29.9294, 47.8853



50.8793, 29.9294, 19.9691

# Triad

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



51.0648, 29.9294, 47.8853



23.6088, 29.9294, 3.2840



17.1585, 29.9294, 88.9946

# Complementary

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



51.0648, 29.9294, 47.8853



43.2596, 72.4131, 40.5552

# 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.



13.8209, 29.9294, 49.6430



51.0648, 29.9294, 47.8853



16.9145, 29.9294, 7.4806

# Square

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



51.0648, 29.9294, 47.8853



33.3801, 29.9294, 3.2066



13.7434, 29.9294, 20.9542



24.0256, 29.9294, 118.6335



# Rectangle

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



51.0648, 29.9294, 47.8853



46.7816, 29.9294, 10.0491



13.7434, 29.9294, 20.9542



15.6644, 29.9294, 75.7035

# Sweetspot

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



51.0657, 29.9309, 47.8858



77.7616, 70.4172, 87.7411



32.8913, 19.5558, 92.4837



16.1999, 14.3244, 18.1980



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.



51.0657, 29.9309, 47.8858



49.9813, 26.6507, 42.1218



44.8046, 27.4265, 14.9152



17.6810, 17.3997, 20.1758



23.8920, 11.9725, 16.6715



2.2652, 1.1298, 1.8199



# Inverse Universe

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



51.0657, 29.9309, 47.8858



49.9813, 26.6507, 42.1218



52.5049, 76.1112, 89.2402



17.6810, 17.3997, 20.1758



23.8920, 11.9725, 16.6715



2.2652, 1.1298, 1.8199



# Previews

## White Background



This preview shows how the XYZ color 51.0648, 29.9294, 47.8853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

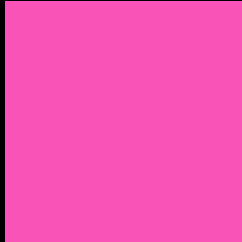
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0648, 29.9294, 47.8853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

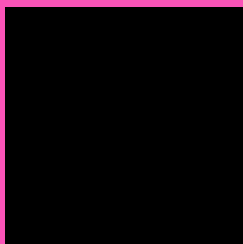
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 51.0648, 29.9294, 47.8853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0648, 29.9294, 47.8853.



This preview shows how white text looks on a background with the XYZ color 51.0648, 29.9294,



# 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

51.0648, 29.9294, 47.8853

### Protanopia

32.1696, 30.1929, 78.9952

### Deuteranopia

30.7143, 29.9822, 44.2127



## Tritanopia

44.8199, 29.8400, 17.8654

# Trichromacy



## Original Color

51.0648, 29.9294, 47.8853



## Protanomaly

35.0295, 27.1855, 66.3519



## Deuteranomaly

35.6344, 27.7848, 45.0798



## Tritanomaly

46.5422, 29.5548, 26.5442

# Monochromacy



## Original Color

51.0648, 29.9294, 47.8853



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

32.6595, 26.4550, 35.7327

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0648, 29.9294, 47.8853 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(250, 83, 183)` looks like.

```
.text, #text, p{  
    color:rgb(250, 83, 183)  
}
```

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(250, 83, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 83, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0648, 29.9294, 47.8853 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(250, 83, 183) }
```



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

```
.border{ border-color:rgb(250, 83, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 83, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 83, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 83, 183);  
box-shadow:4px 4px 4px 4px rgb(250, 83,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0648, 29.9294, 47.8853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 83, 183) }
```

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

```
.background{ background-color: rgb(250, 83,  
183) }
```

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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