

# Converting Colors

XYZ(51.7050, 30.8695, 40.3189)

Have a look what the booklet for  
XYZ(51.7050, 30.8695, 40.3189)  
contains.

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# Color

**XYZ(51.7161, 30.9035,  
40.2850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF57A8
RGB	255, 87, 168
RGB Percent	100%, 34%, 66%
CMY	0.0000, 0.6588, 0.3412
CMYK	0.00, 0.66, 0.34, 0.00
HSL	331°, 100%, 67%
HSV	331°, 66%, 100%
XYZ	51.7161, 30.9035, 40.2850
YIQ	146.4660, 74.1270, 60.8070

# Conversions

## Conversions Part 2

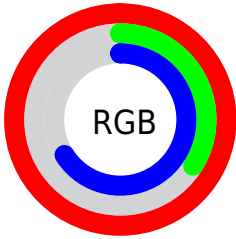
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 87, 168
Decimal	16734120
CIE <sub>Lab</sub>	62.43, 70.15, -8.36
CIE <sub>LCh</sub>	62, 70.646, 353.203
Yxy	30.9035, 0.4208, 0.2514
Android (android.graphics.Color)	4294924200 (0xFFFF57A8)
YUV	146.4660, 10.6163, 95.1843
Hunter-Lab	55.5909, 68.7740, -4.0520

# Details

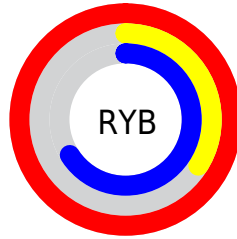
The XYZ color **51.7161, 30.9035, 40.2850** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **47.3322, 76.6030, 52.3402**, and the grayscale version is **27.4508, 28.8803, 31.4507**.

A 20% lighter version of the original color is **64.8382, 47.1455, 75.4947**, and **25.4439, 12.8171, 17.6559** is the 20% darker color. If you saturate the color by 10%, you get **48.8352, 27.0118, 33.5598**, and if you desaturate by 10%, it is **55.4522, 36.3058, 47.9123**.

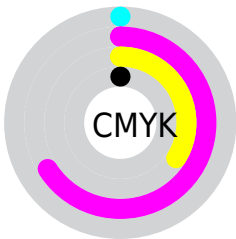
# Distribution



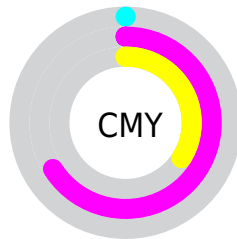
- Red (100%)
- Green (34%)
- Blue (66%)



- Red (100%)
- Yellow (34%)
- Blue (66%)



- Cyan (0%)
- Magenta (66%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (66%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7161, 30.9035, 40.2850 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 51.7161, 30.9035, 40.2850 by changing the saturation by 10% instead.





 51.7161, 30.9035,  
40.2850


 51.7161, 30.9035,  
40.2850

383.6816,  
306.0935, 362.9111

 37.0022, 20.5254,  
27.4453


 91.8891, 61.0881,  
76.8391


 25.3829, 12.7775,  
17.6726


 118.0789, 81.6634,  
101.3907

 16.4928, 7.2755,  
10.5482


 148.8248,  
106.4065, 130.6833

 9.9666, 3.6350,  
5.6536

 184.4920,  
135.7019, 165.1355

 5.4389, 1.4716,  
2.5702

225.4459,  
169.9338, 205.1659

 2.5444, 0.2686,  
0.8770

272.0519,

 0.9177, 0.0000,

209.4868, 251.1929

0.0000

324.6754,  
254.7453, 303.6351

■ 0.0000, 0.0000,  
0.0000

■ 51.7161, 30.9035,  
40.2850

■ 51.7161, 30.9035,  
40.2850

■ 48.8352, 27.0118,  
33.5598

■ 55.4522, 36.3058,  
47.9123

■ 46.7228, 24.4630,  
27.6888

■ 60.1139, 43.3533,  
56.4819


■ 45.2756, 23.0568,  
22.6184

■ 65.7661, 52.1710,  
66.0325

■ 44.8114, 22.6886,  
20.7366

■ 72.4674, 62.8704,  
76.5999

■ 80.2714, 75.5537,  
88.2175

 89.2279, 90.3158,  
100.9171

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.



46.7247, 30.9035, 76.1574



51.7161, 30.9035, 40.2850



49.7583, 30.9035, 16.8534

# Triad

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



51.7161, 30.9035, 40.2850



22.6984, 30.9035, 4.7256



19.6654, 30.9035, 96.0140

# Complementary

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



51.7161, 30.9035, 40.2850



47.3322, 76.6030, 52.3402

# 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.



15.4898, 30.9035, 58.9983



51.7161, 30.9035, 40.2850



16.9566, 30.9035, 10.9127

# Square

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



51.7161, 30.9035, 40.2850



31.6069, 30.9035, 3.7494



14.6189, 30.9035, 27.7844



27.2467, 30.9035, 117.8862



# Rectangle

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



51.7161, 30.9035, 40.2850



44.9454, 30.9035, 8.9175



14.6189, 30.9035, 27.7844



17.8902, 30.9035, 84.2072

# Sweetspot

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



51.7169, 30.9051, 40.2855



76.9182, 70.0799, 83.3002



38.8710, 23.0142, 97.0012



15.9978, 14.2436, 17.1342



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.



51.7169, 30.9051, 40.2855



48.0977, 26.0804, 31.6379



46.6008, 29.2285, 12.2044



18.3742, 18.1330, 20.5876



23.4895, 11.8851, 11.2282



2.3420, 1.1792, 1.3822



# Inverse Universe

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



51.7169, 30.9051, 40.2855



48.0977, 26.0804, 31.6379



56.8547, 78.9933, 106.8584



18.3742, 18.1330, 20.5876



23.4895, 11.8851, 11.2282



2.3420, 1.1792, 1.3822



# Previews

## White Background



This preview shows how the XYZ color 51.7161, 30.9035, 40.2850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

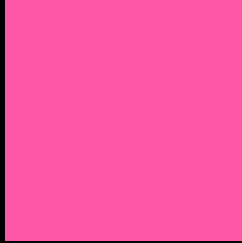
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7161, 30.9035, 40.2850 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 51.7161, 30.9035, 40.2850

## Background



This preview shows how black text looks on a background with the XYZ color 51.7161, 30.9035, 40.2850.



This preview shows how white text looks on a background with the XYZ color 51.7161, 30.9035,



# 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

51.7161, 30.9035, 40.2850

### Protanopia

32.0532, 31.1346, 65.2930

### Deuteranopia

31.5920, 31.0520, 37.1294



## Tritanopia

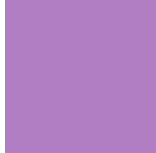
46.7848, 30.7141, 17.6499

# Trichromacy



## Original Color

51.7161, 30.9035, 40.2850



## Protanomaly

35.4426, 28.2090, 55.2066



## Deuteranomaly

36.6202, 29.0116, 37.8521



## Tritanomaly

48.3570, 30.6729, 24.4909

# Monochromacy



## Original Color

51.7161, 30.9035, 40.2850



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

33.4161, 27.4394, 34.1070

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7161, 30.9035, 40.2850 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, 87, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 168)  
}
```

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, 87, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7161, 30.9035, 40.2850 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, 87, 168) }
```



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

```
.border{ border-color:rgb(255, 87, 168) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7161, 30.9035, 40.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 168) }
```

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

```
.background{ background-color: rgb(255, 87,  
168) }
```

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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