

Converting Colors

XYZ(51.0212, 30.2450, 37.7991)

Have a look what the booklet for
XYZ(51.0212, 30.2450, 37.7991)
contains.

XYZ(51.0212, 30.2450, 37.7991)	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(51.0212, 30.2450,
37.7991)**

Conversions

Conversions Part 1

Format	Color
Hex	FF54A3
RGB	255, 84, 163
RGB Percent	100%, 33%, 64%
CMY	0.0000, 0.6705, 0.3608
CMYK	0.00, 0.67, 0.36, 0.00
HSL	332°, 100%, 66%
HSV	332°, 67%, 100%
XYZ	51.0212, 30.2450, 37.7991
YIQ	144.1350, 76.5570, 60.8210

Conversions

Conversions Part 2

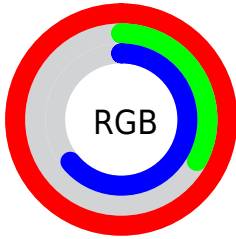
Format	Color
R _Y B	255, 84, 163
Decimal	16733347
CIE Lab	61.87, 70.73, -6.31
CIE LCh	62, 71.013, 354.900
Yxy	30.2450, 0.4285, 0.2540
Android (android.graphics.Color)	4294923427 (0xFFFF54A3)
YUV	144.1350, 9.3004, 97.2286
Hunter-Lab	54.9955, 69.3586, -2.2540

Details

The XYZ color **51.0212, 30.2450, 37.7991** 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 **47.2545, 76.5403, 53.3625**, and the grayscale version is **26.5073, 27.8878, 30.3698**.

A 20% lighter version of the original color is **63.7173, 45.9669, 71.8439**, and **25.1174, 12.6170, 16.1504** is the 20% darker color. If you saturate the color by 10%, you get **48.2262, 26.5167, 31.1278**, and if you desaturate by 10%, it is **54.6712, 35.4697, 45.4140**.

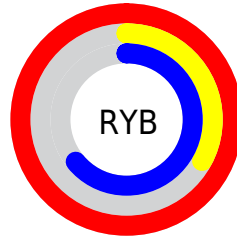
Distribution



Red (100%)

Green (33%)

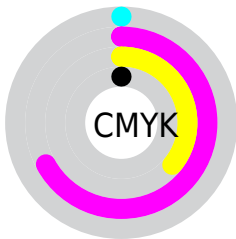
Blue (64%)



Red (100%)

Yellow (33%)

Blue (64%)

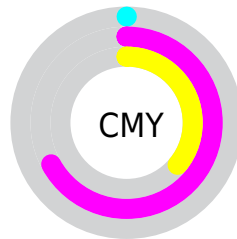


Cyan (0%)

Magenta (67%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0212, 30.2450, 37.7991 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 51.0212, 30.2450, 37.7991 by changing the saturation by 10% instead.


 51.0212, 30.2450,
37.7991

 51.0212, 30.2450,
37.7991


381.0325,
303.0448, 352.0297


 36.4466, 20.0246,
25.5262

 90.8689, 60.0494,
73.0001


 24.9510, 12.4129,
16.2469


 116.8727, 80.4022,
96.7653

 16.1691, 7.0256,
9.5428


 147.4170,
104.9013, 125.1983

 9.7355, 3.4781,
4.9953

 182.8671,
133.9311, 158.7177

 5.2849, 1.3861,
2.1858

223.5883,
167.8760, 197.7419

 2.4518, 0.2065,
0.6662

269.9460,

 0.8710, 0.0000,

207.1202, 242.6897

0.0000

322.3056,
252.0484, 293.9794

■ 0.0000, 0.0000,
0.0000

■ 51.0212, 30.2450,
37.7991

■ 51.0212, 30.2450,
37.7991

■ 48.2262, 26.5167,
31.1278

■ 54.6712, 35.4697,
45.4140

■ 46.1969, 24.1134,
25.3486

■ 59.2479, 42.3278,
54.0155


■ 44.8245, 22.8242,
20.4036

■ 64.8178, 50.9463,
63.6452

■ 44.4981, 22.5632,
19.0870

■ 71.4404, 61.4379,
74.3412

■ 79.1701, 73.9060,
86.1395

 88.0576, 88.4465,
99.0740

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.



46.4092, 30.2450, 73.0467



51.0212, 30.2450, 37.7991



48.6775, 30.2450, 15.4655

Triad

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



51.0212, 30.2450, 37.7991



21.7284, 30.2450, 4.6361



19.4795, 30.2450, 96.8590

Complementary

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



51.0212, 30.2450, 37.7991



47.2545, 76.5403, 53.3625

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.



15.1692, 30.2450, 60.1982



51.0212, 30.2450, 37.7991



16.2533, 30.2450, 11.0956

Square

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



51.0212, 30.2450, 37.7991



30.3998, 30.2450, 3.4880



14.1333, 30.2450, 28.5011



27.1552, 30.2450, 117.2235

Rectangle

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



51.0212, 30.2450, 37.7991



43.7061, 30.2450, 8.1028



14.1333, 30.2450, 28.5011



17.6621, 30.2450, 85.3064

Sweetspot

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



51.0220, 30.2466, 37.7996



76.7754, 70.0228, 82.5481



38.9463, 22.6999, 96.9366



15.9637, 14.2299, 16.9546



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.



51.0220, 30.2466, 37.7996



47.5532, 25.6794, 29.3354



46.4724, 29.1637, 11.5694



18.3585, 18.1267, 20.5048



23.3248, 11.8192, 10.3606



2.3255, 1.1726, 1.2955

Inverse Universe

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



51.0220, 30.2466, 37.7996



47.5532, 25.6794, 29.3354



55.6757, 77.0425, 106.5440



18.3585, 18.1267, 20.5048



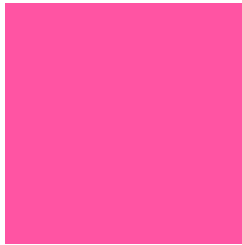
23.3248, 11.8192, 10.3606



2.3255, 1.1726, 1.2955

Previews

White Background



This preview shows how the XYZ color 51.0212, 30.2450, 37.7991 looks on a white background.

Color Contrast Check

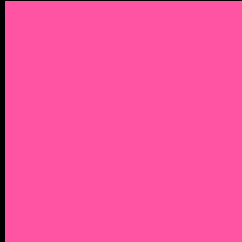
Large Text (above 18pt) WCAG AA × Fail

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 51.0212, 30.2450, 37.7991 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 51.0212, 30.2450, 37.7991

Background



This preview shows how black text looks on a background with the XYZ color 51.0212, 30.2450, 37.7991.



This preview shows how white text looks on a background with the XYZ color 51.0212, 30.2450,

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

51.0212, 30.2450, 37.7991

Protanopia

31.2822, 30.5741, 62.0103

Deuteranopia

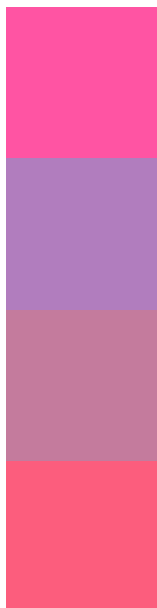
30.8584, 30.2653, 34.7872



Tritanopia

46.6500, 30.2441, 16.4757

Trichromacy



Original Color

51.0212, 30.2450, 37.7991

Protanomaly

34.7593, 27.7320, 52.2360

Deuteranomaly

35.9337, 28.3360, 35.4738

Tritanomaly

47.7609, 30.0048, 22.6763

Monochromacy



Original Color

51.0212, 30.2450, 37.7991

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

32.3126, 26.3438, 32.6600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0212, 30.2450, 37.7991 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, 84, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 163)  
}
```

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, 84, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 163) }
```

Border

The CSS property to change the border of an element to XYZ 51.0212, 30.2450, 37.7991 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, 84, 163) }
```


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

```
.border{ border-color:rgb(255, 84, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 84, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0212, 30.2450, 37.7991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 163) }
```

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

```
.background{ background-color: rgb(255, 84,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor