

Converting Colors

XYZ(51.6886, 30.6007, 41.0398)

Have a look what the booklet for
XYZ(51.6886, 30.6007, 41.0398)
contains.

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Color

**XYZ(51.7442, 30.6593,
41.2208)**

Conversions

Conversions Part 1

Format	Color
Hex	FF55AA
RGB	255, 85, 170
RGB Percent	100%, 33%, 67%
CMY	0.0000, 0.6666, 0.3333
CMYK	0.00, 0.67, 0.33, 0.00
HSL	330°, 100%, 67%
HSV	330°, 67%, 100%
XYZ	51.7442, 30.6593, 41.2208
YIQ	145.5200, 74.0350, 62.4750

Conversions

Conversions Part 2

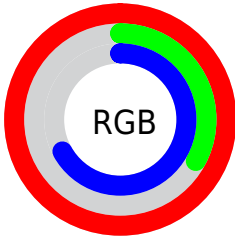
Format	Color
R _Y B	255, 85, 170
Decimal	16733610
CIE Lab	62.22, 71.12, -9.82
CIE LCh	62, 71.791, 352.137
Yxy	30.6593, 0.4186, 0.2480
Android (android.graphics.Color)	4294923690 (0xFFFF55AA)
YUV	145.5200, 12.0686, 96.0140
Hunter-Lab	55.3708, 69.9098, -5.3788

Details

The XYZ color **51.7442, 30.6593, 41.2208** 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 **46.7639, 76.3544, 50.3082**, and the grayscale version is **27.0581, 28.4673, 31.0009**.

A 20% lighter version of the original color is **64.8039, 46.6428, 76.8216**, and **25.5181, 12.7773, 18.2609** is the 20% darker color. If you saturate the color by 10%, you get **48.9375, 26.8835, 34.6200**, and if you desaturate by 10%, it is **55.3925, 35.9308, 48.6799**.

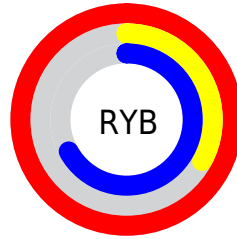
Distribution



Red (100%)

Green (33%)

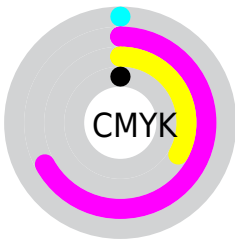
Blue (67%)



Red (100%)

Yellow (33%)

Blue (67%)

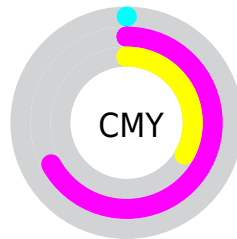


Cyan (0%)

Magenta (67%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7442, 30.6593, 41.2208 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 51.7442, 30.6593, 41.2208 by changing the saturation by 10% instead.

 51.7442, 30.6593,
41.2208


 51.7442, 30.6593,
41.2208

383.7885,
304.9656, 366.9465


 37.0247, 20.3396,
28.1707


 91.9303, 60.7033,
78.2763


 25.4004, 12.6421,
18.2142


 118.1277, 81.1963,
103.1187

 16.5059, 7.1826,
10.9328


 148.8816,
105.8492, 132.7289

 9.9760, 3.5765,
5.9081

 184.5576,
135.0463, 167.5255

 5.4452, 1.4396,
2.7214

225.5209,
169.1722, 207.9271

 2.5482, 0.2457,
0.9542

272.1369,

 0.9196, 0.0000,

208.6111, 254.3520

0.0000

324.7710,
253.7474, 307.2190

■ 0.0000, 0.0000,
0.0000

■ 51.7442, 30.6593,
41.2208

■ 51.7442, 30.6593,
41.2208

■ 48.9375, 26.8835,
34.6200

■ 55.3925, 35.9308,
48.6799

■ 46.8846, 24.4336,
28.8311

■ 59.9528, 42.8341,
57.0357

■ 45.4800, 23.1038,
23.8021

■ 65.4905, 51.4949,
66.3254

■ 45.1030, 22.8052,
22.2722

■ 72.0641, 62.0256,
76.5828

■ 79.7272, 74.5289,
87.8401

 88.5297, 89.0999,
100.1274

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.



46.4461, 30.6593, 77.9615



51.7442, 30.6593, 41.2208



50.0086, 30.6593, 17.0540

Triad

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



51.7442, 30.6593, 41.2208



22.6740, 30.6593, 4.3480



19.1432, 30.6593, 95.6388

Complementary

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



51.7442, 30.6593, 41.2208



46.7639, 76.3544, 50.3082

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.



15.0750, 30.6593, 57.7710



51.7442, 30.6593, 41.2208



16.7765, 30.6593, 10.1875

Square

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



51.7442, 30.6593, 41.2208



31.7625, 30.6593, 3.5252



14.3166, 30.6593, 26.6072



26.6674, 30.6593, 118.9390

Rectangle

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



51.7442, 30.6593, 41.2208



45.2394, 30.6593, 8.8687



14.3166, 30.6593, 26.6072



17.4016, 30.6593, 83.4454

Sweetspot

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



51.7451, 30.6609, 41.2213



77.0455, 70.1308, 83.9701



37.8780, 22.2652, 96.9090



16.0283, 14.2557, 17.2943



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.



51.7451, 30.6609, 41.2213



48.1731, 25.9274, 32.6001



46.1294, 28.4146, 11.6497



18.3882, 18.1386, 20.6612



23.6426, 11.9463, 12.0345



2.3571, 1.1852, 1.4620

Inverse Universe

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



51.7451, 30.6609, 41.2213



48.1731, 25.9274, 32.6001



57.5572, 80.6718, 107.1454



18.3882, 18.1386, 20.6612



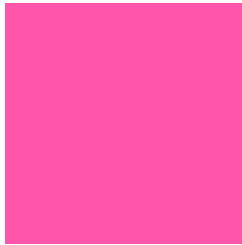
23.6426, 11.9463, 12.0345



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 51.7442, 30.6593, 41.2208 looks on a white background.

Color Contrast Check

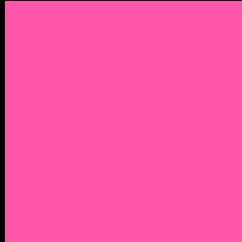
Large Text (above 18pt) WCAG AA × Fail

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 51.7442, 30.6593, 41.2208 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 51.7442, 30.6593, 41.2208

Background



This preview shows how black text looks on a background with the XYZ color 51.7442, 30.6593, 41.2208.



This preview shows how white text looks on a background with the XYZ color 51.7442, 30.6593,

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

51.7442, 30.6593, 41.2208

Protanopia

32.1178, 31.1243, 67.2656

Deuteranopia

31.2091, 30.6046, 37.9806



Tritanopia

46.6354, 30.4999, 17.3390

Trichromacy



Original Color

51.7442, 30.6593, 41.2208



Protanomaly

35.4434, 28.1830, 56.3951



Deuteranomaly

36.4142, 28.6977, 38.7419



Tritanomaly

48.2664, 30.4916, 24.4606

Monochromacy



Original Color

51.7442, 30.6593, 41.2208



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

33.3737, 27.2210, 34.5055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7442, 30.6593, 41.2208 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, 85, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 85, 170)  
}
```

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, 85, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 85, 170) }
```

Border

The CSS property to change the border of an element to XYZ 51.7442, 30.6593, 41.2208 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, 85, 170) }
```


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

```
.border{ border-color:rgb(255, 85, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 85, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 85, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 85, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 85,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7442, 30.6593, 41.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 85, 170) }
```

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

```
.background{ background-color: rgb(255, 85,  
170) }
```

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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