

Converting Colors

XYZ(50.9388, 28.7829, 41.7711)

Have a look what the booklet for
XYZ(50.9388, 28.7829, 41.7711)
contains.

XYZ(50.9396, 28.7450, 41.8933)	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(50.9396, 28.7450,
41.8933)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47AC
RGB	255, 71, 172
RGB Percent	100%, 28%, 67%
CMY	0.0000, 0.7215, 0.3255
CMYK	0.00, 0.72, 0.33, 0.00
HSL	327°, 100%, 64%
HSV	327°, 72%, 100%
XYZ	50.9396, 28.7450, 41.8933
YIQ	137.5300, 77.2430, 70.4190

Conversions

Conversions Part 2

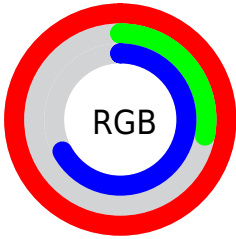
Format	Color
RYB	255, 71, 172
Decimal	16730028
CIELab	60.56, 76.16, -13.47
CIELCh	61, 77.340, 349.968
Yxy	28.7450, 0.4190, 0.2364
Android (android.graphics.Color)	4294920108 (0xFFFF47AC)
YUV	137.5300, 16.9937, 103.0212
Hunter-Lab	53.6144, 75.7697, -8.7981

Details

The XYZ color **50.9396, 28.7450, 41.8933** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **44.1930, 75.1935, 42.7612**, and the grayscale version is **23.8975, 25.1420, 27.3796**.

A 20% lighter version of the original color is **63.4927, 43.5811, 77.7386**, and **25.3825, 12.6935, 18.8816** is the 20% darker color. If you saturate the color by 10%, you get **48.5868, 25.7316, 35.8921**, and if you desaturate by 10%, it is **54.0695, 33.1593, 48.6259**.

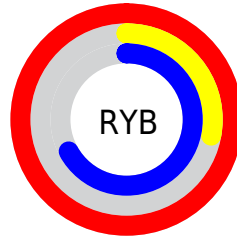
Distribution



Red (100%)

Green (28%)

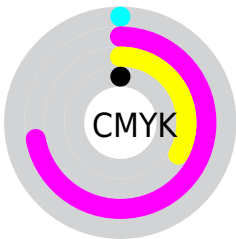
Blue (67%)



Red (100%)

Yellow (28%)

Blue (67%)

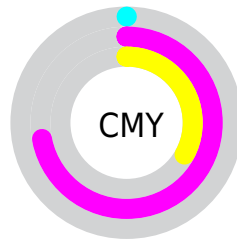


Cyan (0%)

Magenta (72%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9396, 28.7450, 41.8933 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 50.9396, 28.7450, 41.8933 by changing the saturation by 10% instead.

 50.9396, 28.7450,
41.8933


 50.9396, 28.7450,
41.8933


380.7206,
296.0099, 369.8270


 36.3814, 18.8880,
28.6928


 90.7490, 57.6717,
79.3065


 24.9004, 11.5894,
18.6050


 116.7309, 77.5102,
104.3562

 16.1312, 6.4647,
11.2113

 147.2514,
101.4446, 134.1928

 9.7085, 3.1297,
6.0932

 182.6759,
129.8594, 169.2347

 5.2669, 1.1998,
2.8321

223.3697,
163.1389, 209.9006

 2.4410, 0.0615,
1.0096

269.6982,

 0.8656, 0.0000,

201.6676, 256.6089

0.0000

322.0267,
245.8298, 309.7782

■ 0.0000, 0.0000,
0.0000

■ 50.9396, 28.7450,
41.8933

■ 50.9396, 28.7450,
41.8933

■ 48.5868, 25.7316,
35.8921

■ 54.0695, 33.1593,
48.6259

■ 46.9147, 23.9305,
30.5776

■ 58.0521, 39.1224,
56.1258

■ 45.9711, 23.1525,
26.8439

■ 62.9562, 46.7680,
64.4273

■ 68.8425, 56.2143,
73.5613

■ 75.7665, 67.5685,
83.5568

83.7791, 80.9297,
94.4407

92.9279, 96.3896,
106.2388

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.



44.8280, 28.7450, 81.6983



50.9396, 28.7450, 41.8933



49.6461, 28.7450, 16.0188

Triad

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



50.9396, 28.7450, 41.8933



21.2720, 28.7450, 2.8385



16.7341, 28.7450, 95.1505

Complementary

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



50.9396, 28.7450, 41.8933



44.1930, 75.1935, 42.7612

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.



12.9511, 28.7450, 54.0971



50.9396, 28.7450, 41.8933



15.0939, 28.7450, 7.5724

Square

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



50.9396, 28.7450, 41.8933



30.8060, 28.7450, 2.3692



12.4346, 28.7450, 22.6598



24.1097, 28.7450, 122.7446

Rectangle

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



50.9396, 28.7450, 41.8933



44.8470, 28.7450, 7.5904



12.4346, 28.7450, 22.6598



15.0847, 28.7450, 81.6102

Sweetspot

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



50.9404, 28.7465, 41.8938



75.8802, 67.7568, 83.7158



33.5936, 18.5790, 96.4233



15.8161, 13.8004, 17.3191



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.



50.9404, 28.7465, 41.8938



47.6978, 24.7200, 33.2329



44.9498, 26.3503, 10.3474



18.4266, 18.1539, 20.8636



24.0973, 12.1282, 14.4287



2.4014, 1.2029, 1.6951

Inverse Universe

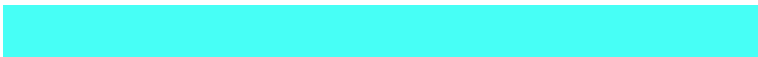
The Inverse Universe completely reimagines the original color for something new.



50.9404, 28.7465, 41.8938



47.6978, 24.7200, 33.2329



54.9633, 79.5016, 99.4769



18.4266, 18.1539, 20.8636



24.0973, 12.1282, 14.4287



2.4014, 1.2029, 1.6951

Previews

White Background



This preview shows how the XYZ color 50.9396, 28.7450, 41.8933 looks on a white background.

Color Contrast Check

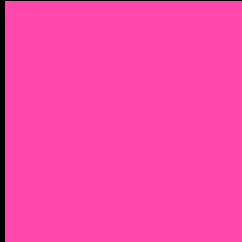
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.9396, 28.7450, 41.8933 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 50.9396, 28.7450, 41.8933

Background



This preview shows how black text looks on a background with the XYZ color 50.9396, 28.7450, 41.8933.



This preview shows how white text looks on a background with the XYZ color 50.9396, 28.7450,

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

50.9396, 28.7450, 41.8933

Protanopia

30.7638, 29.1258, 73.8125

Deuteranopia

29.3315, 28.7269, 38.1813



Tritanopia

45.0517, 28.6571, 14.4661

Trichromacy



Original Color

50.9396, 28.7450, 41.8933



Protanomaly

33.4088, 25.4070, 60.2700



Deuteranomaly

34.3635, 26.1911, 39.3206



Tritanomaly

46.5921, 28.3051, 22.0765

Monochromacy



Original Color

50.9396, 28.7450, 41.8933



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

30.5784, 24.0604, 31.8866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9396, 28.7450, 41.8933 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, 71, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 172)  
}
```

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, 71, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 172) }
```

Border

The CSS property to change the border of an element to XYZ 50.9396, 28.7450, 41.8933 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, 71, 172) }
```


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

```
.border{ border-color:rgb(255, 71, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9396, 28.7450, 41.8933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 172) }
```

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

```
.background{ background-color: rgb(255, 71,  
172) }
```

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