

Converting Colors

XYZ(52.0245, 36.1032, 29.8200)

Have a look what the booklet for
XYZ(52.0245, 36.1032, 29.8200)
contains.

XYZ(51.9873, 36.0293, 29.8055)	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(51.9873, 36.0293,
29.8055)**

Conversions

Conversions Part 1

Format	Color
Hex	FD778E
RGB	253, 119, 142
RGB Percent	99%, 47%, 56%
CMY	0.0078, 0.5333, 0.4431
CMYK	0.00, 0.53, 0.44, 0.01
HSL	350°, 97%, 73%
HSV	350°, 53%, 99%
XYZ	51.9873, 36.0293, 29.8055
YIQ	161.6880, 72.4810, 35.5610

Conversions

Conversions Part 2

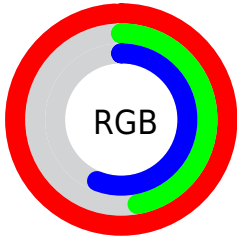
Format	Color
R _Y B	253, 119, 142
Decimal	16611214
CIE Lab	66.54, 53.12, 12.45
CIE LCh	67, 54.560, 13.195
Yxy	36.0293, 0.4412, 0.3058
Android (android.graphics.Color)	4294801294 (0xFFFD778E)
YUV	161.6880, -9.7062, 80.0806
Hunter-Lab	60.0244, 49.5566, 12.5763

Details

The XYZ color **51.9873, 36.0293, 29.8055** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **57.0179, 79.8864, 87.2825**, and the grayscale version is **34.2182, 36.0002, 39.2042**.

A 20% lighter version of the original color is **66.5338, 55.9055, 59.5087**, and **25.5034, 15.6460, 11.8010** is the 20% darker color. If you saturate the color by 10%, you get **47.9385, 30.2177, 21.4087**, and if you desaturate by 10%, it is **57.1351, 43.5654, 40.0289**.

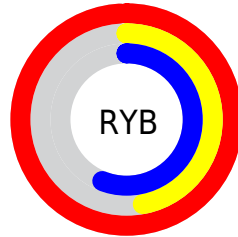
Distribution



Red (99%)

Green (47%)

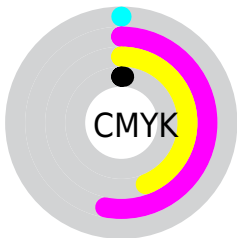
Blue (56%)



Red (99%)

Yellow (47%)

Blue (56%)

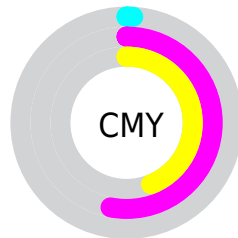


Cyan (0%)

Magenta (53%)

Yellow (44%)

Black (1%)



Cyan (1%)


Magenta (53%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9873, 36.0293, 29.8055 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 51.9873, 36.0293, 29.8055 by changing the saturation by 10% instead.

 51.9873, 36.0293,
29.8055


 51.9873, 36.0293,
29.8055


384.7123,
329.0886, 315.1758


 37.2192, 24.4568,
19.4402

 92.2868, 69.0773,
60.4118

 25.5517, 15.6728,
11.8088


 118.5490, 91.3216,
81.4899

 16.6195, 9.2929,
6.4926


 149.3732,
117.8920, 106.9760

 10.0572, 4.9328,
3.0733

185.1248,
149.1728, 137.2887

 5.4994, 2.2079,
1.1322

226.1691,
185.5485, 172.8465

 2.5809, 0.7243,
0.0000

272.8716,

 0.9362, 0.0000,

227.4034, 214.0679

0.0000

325.5976,
275.1220, 261.3715

■ 0.0000, 0.0000,
0.0000

■ 51.9873, 36.0293,
29.8055

■ 51.9873, 36.0293,
29.8055

■ 47.9385, 30.2177,
21.4087

■ 57.1351, 43.5654,
40.0289

■ 44.9041, 25.9881,
14.7274

■ 63.4524, 52.9425,
52.1769

■ 42.7916, 23.1846,
9.6408

■ 71.0069, 64.2734,
66.3430

■ 41.4891, 21.6162,
6.0109

■ 79.8605, 77.6602,
82.6136

■ 40.9516, 21.0601,
4.2322

■ 90.0708, 93.1978,
101.0705

94.3179, 99.6226,
108.8657

Harmonies

Analogous

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



51.6488, 36.0293, 53.7737



51.9873, 36.0293, 29.8055



47.0621, 36.0293, 15.7416

Triad

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



51.9873, 36.0293, 29.8055



24.5534, 36.0293, 14.6734



29.8889, 36.0293, 100.2136

Complementary

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



51.9873, 36.0293, 29.8055



57.0179, 79.8864, 87.2825

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.



23.9955, 36.0293, 78.9267



51.9873, 36.0293, 29.8055



21.2688, 36.0293, 27.5776

Square

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



51.9873, 36.0293, 29.8055



30.7730, 36.0293, 9.6580



21.0824, 36.0293, 50.4567



37.9683, 36.0293, 101.5946

Rectangle

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



51.9873, 36.0293, 29.8055



41.8519, 36.0293, 11.1669



21.0824, 36.0293, 50.4567



27.6202, 36.0293, 94.8530

Sweetspot

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



51.9882, 36.0312, 29.8061



78.4152, 74.6856, 78.8301



56.4603, 36.8526, 97.0657



16.3813, 15.3765, 16.1339



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.



51.9882, 36.0312, 29.8061



48.4282, 30.2310, 20.9900



56.6598, 47.8581, 23.7065



18.1366, 18.0379, 19.3362



21.8208, 11.2176, 2.4407



2.1582, 1.1056, 0.4144

Inverse Universe

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



51.9882, 36.0312, 29.8061



48.4282, 30.2310, 20.9900



48.5258, 57.3890, 101.4479



18.1366, 18.0379, 19.3362



21.8208, 11.2176, 2.4407



2.1582, 1.1056, 0.4144

Previews

White Background



This preview shows how the XYZ color 51.9873, 36.0293, 29.8055 looks on a white background.

Color Contrast Check

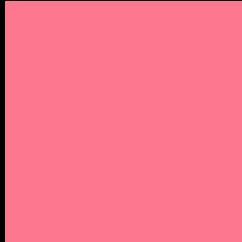
Large Text (above 18pt) WCAG AA × Fail

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 51.9873, 36.0293, 29.8055 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 51.9873, 36.0293, 29.8055

Background



This preview shows how black text looks on a background with the XYZ color 51.9873, 36.0293, 29.8055.



This preview shows how white text looks on a background with the XYZ color 51.9873, 36.0293,

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

51.9873, 36.0293, 29.8055

Protanopia

34.8462, 36.0989, 40.7285

Deuteranopia

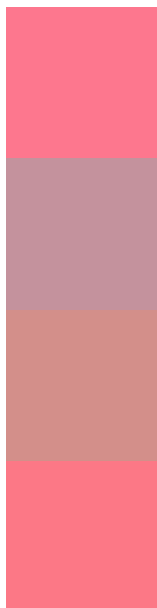
36.8259, 36.1193, 28.3233



Tritanopia

51.0115, 35.9819, 25.3757

Trichromacy



Original Color

51.9873, 36.0293, 29.8055

Protanomaly

39.1296, 34.7279, 36.5391

Deuteranomaly

41.2739, 35.3288, 28.6885

Tritanomaly

51.1644, 35.8496, 26.7773

Monochromacy



Original Color

51.9873, 36.0293, 29.8055

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

38.7010, 34.5264, 35.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9873, 36.0293, 29.8055 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(253, 119, 142)` looks like.

```
.text, #text, p{  
    color:rgb(253, 119, 142)  
}
```

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(253, 119, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 119, 142) }
```

Border

The CSS property to change the border of an element to XYZ 51.9873, 36.0293, 29.8055 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(253, 119, 142) }
```


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

```
.border{ border-color:rgb(253, 119, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 119, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 119, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 119, 142);  
box-shadow:4px 4px 4px 4px rgb(253, 119,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9873, 36.0293, 29.8055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 119, 142) }
```

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

```
.background{ background-color: rgb(253,  
119, 142) }
```

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