

Converting Colors

XYZ(51.2313, 37.9021, 29.4518)

Have a look what the booklet for
XYZ(51.2313, 37.9021, 29.4518)
contains.

XYZ(51.2077, 37.9002, 29.4275)	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(51.2077, 37.9002,
29.4275)**

Conversions

Conversions Part 1

Format	Color
Hex	F7838C
RGB	247, 131, 140
RGB Percent	97%, 51%, 55%
CMY	0.0314, 0.4862, 0.4510
CMYK	0.00, 0.47, 0.43, 0.03
HSL	355°, 88%, 74%
HSV	355°, 47%, 97%
XYZ	51.2077, 37.9002, 29.4275
YIQ	166.7100, 66.2470, 27.3910

Conversions

Conversions Part 2

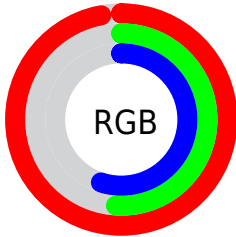
Format	Color
R _Y B	247, 131, 140
Decimal	16221068
CIE Lab	67.95, 45.01, 15.43
CIE LCh	68, 47.581, 18.919
Yxy	37.9002, 0.4320, 0.3197
Android (android.graphics.Color)	4294411148 (0xFFFF7838C)
YUV	166.7100, -13.1680, 70.4143
Hunter-Lab	61.5631, 40.7393, 14.7533

Details

The XYZ color **51.2077, 37.9002, 29.4275** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **58.0554, 77.5207, 92.7967**, and the grayscale version is **36.6300, 38.5377, 41.9675**.

A 20% lighter version of the original color is **68.4245, 60.2281, 58.4709**, and **25.0634, 16.7518, 11.5853** is the 20% darker color. If you saturate the color by 10%, you get **46.7671, 31.4351, 20.4990**, and if you desaturate by 10%, it is **56.7888, 46.0896, 40.4529**.

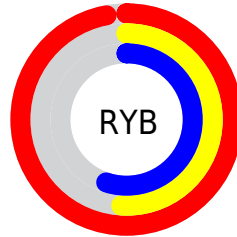
Distribution



Red (97%)

Green (51%)

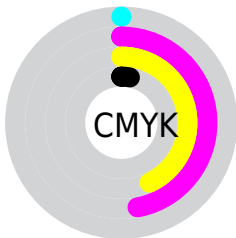
Blue (55%)



Red (97%)

Yellow (51%)

Blue (55%)

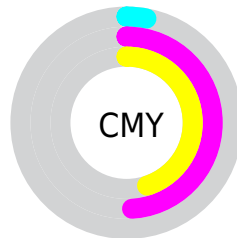


Cyan (0%)

Magenta (47%)

Yellow (43%)

Black (3%)



Cyan (3%)

Magenta (49%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2077, 37.9002, 29.4275 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 51.2077, 37.9002, 29.4275 by changing the saturation by 10% instead.


 51.2077, 37.9002,
29.4275


 51.2077, 37.9002,
29.4275


381.7446,
337.1917, 313.3505


 36.5956, 25.9052,
19.1561


 91.1429, 71.9551,
59.8059

 25.0668, 16.7528,
11.6052


 117.1967, 94.7839,
80.7499

 16.2558, 10.0584,
6.3562


 147.7952,
121.9928, 106.0886

 9.7974, 5.4377,
2.9906

183.3037,
153.9660, 136.2405

 5.3260, 2.5063,
1.0898

224.0875,
191.0882, 171.6241

 2.4765, 0.8798,
0.0000

270.5120,

 0.8834, 0.0000,

233.7436, 212.6579

0.0000

322.9426,
282.3166, 259.7606

■ 0.0000, 0.0000,
0.0000

■ 51.2077, 37.9002,
29.4275

■ 51.2077, 37.9002,
29.4275

■ 46.7671, 31.4351,
20.4990

■ 56.7888, 46.0896,
40.4529

■ 43.3853, 26.5656,
13.5325

■ 63.5786, 56.1082,
53.6944

■ 40.9745, 23.1545,
8.3803

■ 71.6436, 68.0596,
69.2648

■ 39.4313, 21.0389,
4.8731

■ 81.0445, 82.0379,
87.2686

■ 38.6265, 20.0120,
2.8087

■ 91.8381, 98.1310,
107.8038

■ 38.4766, 19.8217,
2.4209

■ 92.1677, 98.5141,
108.7651

Harmonies

Analogous

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



51.8460, 37.9002, 49.5935



51.2077, 37.9002, 29.4275



46.1914, 37.9002, 17.5630

Triad

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



51.2077, 37.9002, 29.4275



26.3378, 37.9002, 19.8842



33.3602, 37.9002, 95.4779

Complementary

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



51.2077, 37.9002, 29.4275



58.0554, 77.5207, 92.7967

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.



27.4684, 37.9002, 80.1750



51.2077, 37.9002, 29.4275



23.7994, 37.9002, 33.9287

Square

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



51.2077, 37.9002, 29.4275



31.6090, 37.9002, 13.4986



24.1828, 37.9002, 55.9194



40.8299, 37.9002, 92.9810

Rectangle

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



51.2077, 37.9002, 29.4275



41.3800, 37.9002, 13.7494



24.1828, 37.9002, 55.9194



31.1495, 37.9002, 92.0814

Sweetspot

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



51.2087, 37.9021, 29.4282



79.8438, 77.3573, 79.8783



59.9423, 41.0120, 92.7523



16.6436, 15.8948, 16.2406



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.



51.2087, 37.9021, 29.4282



50.6485, 34.3294, 22.7852



58.6428, 53.7887, 28.7667



16.5513, 16.5034, 17.3836



20.3684, 10.4908, 1.3825



1.8079, 0.9291, 0.2146

Inverse Universe

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



51.2087, 37.9021, 29.4282



50.6485, 34.3294, 22.7852



46.4971, 52.2362, 95.6275



16.5513, 16.5034, 17.3836



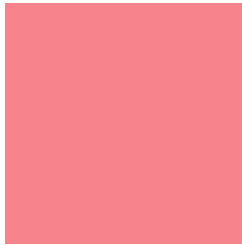
20.3684, 10.4908, 1.3825



1.8079, 0.9291, 0.2146

Previews

White Background



This preview shows how the XYZ color 51.2077, 37.9002, 29.4275 looks on a white background.

Color Contrast Check

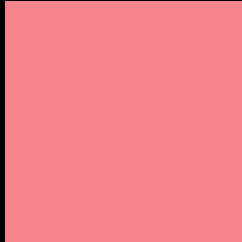
Large Text (above 18pt) WCAG AA × Fail

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 51.2077, 37.9002, 29.4275 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 51.2077, 37.9002, 29.4275

Background



This preview shows how black text looks on a background with the XYZ color 51.2077, 37.9002, 29.4275.



This preview shows how white text looks on a background with the XYZ color 51.2077, 37.9002,

29.4275.

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

51.2077, 37.9002, 29.4275

Protanopia

36.4213, 38.0368, 37.7700

Deuteranopia

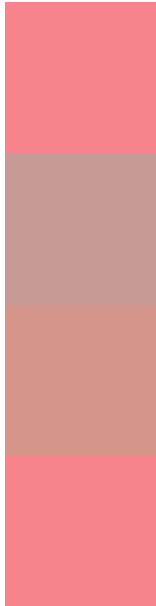
38.9363, 38.2283, 28.2483



Tritanopia

51.2077, 37.9002, 29.4275

Trichromacy



Original Color

51.2077, 37.9002, 29.4275

Protanomaly

40.5303, 37.1589, 34.3144

Deuteranomaly

42.7034, 37.4472, 28.6442

Tritanomaly

51.2077, 37.9002, 29.4275

Monochromacy



Original Color

51.2077, 37.9002, 29.4275

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

40.4064, 37.2813, 36.9647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2077, 37.9002, 29.4275 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(247, 131, 140)` looks like.

```
.text, #text, p{  
    color:rgb(247, 131, 140)  
}
```

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(247, 131, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 131, 140) }
```

Border

The CSS property to change the border of an element to XYZ 51.2077, 37.9002, 29.4275 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(247, 131, 140) }
```


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

```
.border{ border-color:rgb(247, 131, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 131, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 131, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 131, 140);  
box-shadow:4px 4px 4px 4px rgb(247, 131,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2077, 37.9002, 29.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 131, 140) }
```

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

```
.background{ background-color: rgb(247,  
131, 140) }
```

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