

Converting Colors

XYZ(52.9046, 37.7674, 90.8045)

Have a look what the booklet for
XYZ(52.9046, 37.7674, 90.8045)
contains.

XYZ(52.8933, 37.8147, 90.8974)	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(52.8933, 37.8147,
90.8974)**

Conversions

Conversions Part 1

Format	Color
Hex	D785F5
RGB	215, 133, 245
RGB Percent	84%, 52%, 96%
CMY	0.1569, 0.4784, 0.0392
CMYK	0.12, 0.46, 0.00, 0.04
HSL	284°, 85%, 74%
HSV	284°, 46%, 96%
XYZ	52.8933, 37.8147, 90.8974
YIQ	170.2860, 12.9200, 52.2160

Conversions

Conversions Part 2

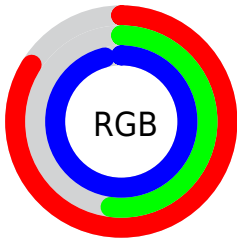
Format	Color
R _Y B	215, 133, 245
Decimal	14124533
CIE Lab	67.88, 49.70, -43.69
CIE LCh	68, 66.174, 318.681
Yxy	37.8147, 0.2913, 0.2082
Android (android.graphics.Color)	4292314613 (0xFFD785F5)
YUV	170.2860, 36.8340, 39.2142
Hunter-Lab	61.4937, 45.9215, -44.5945

Details

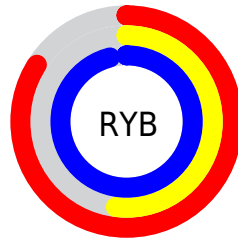
The XYZ color **52.8933, 37.8147, 90.8974** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **51.9914, 74.7857, 33.8867**, and the grayscale version is **38.1698, 40.1576, 43.7316**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **26.0463, 16.6373, 49.4155** is the 20% darker color. If you saturate the color by 10%, you get **48.0337, 30.8982, 89.8191**, and if you desaturate by 10%, it is **58.6151, 46.3386, 92.2417**.

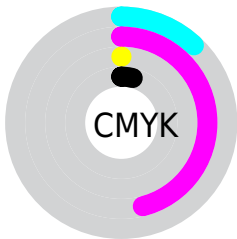
Distribution



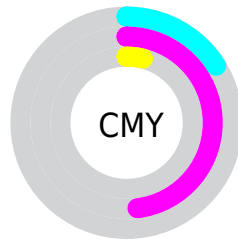
- Red (84%)
- Green (52%)
- Blue (96%)



- Red (84%)
- Yellow (52%)
- Blue (96%)



- Cyan (12%)
- Magenta (46%)
- Yellow (0%)
- Black (4%)





- Cyan (16%)
- Magenta (48%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8933, 37.8147, 90.8974 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 52.8933, 37.8147, 90.8974 by changing the saturation by 10% instead.


 52.8933, 37.8147,
90.8974


 52.8933, 37.8147,
90.8974


388.1432,
336.8244, 551.5910


 37.9447, 25.8389,
68.1473


 93.6138, 71.8240,
150.5307

 26.1168, 16.7032,
49.5501


 120.1164, 94.6264,
188.2509

 17.0442, 10.0231,
34.6874


 151.2011,
121.8063, 231.7983

 10.3615, 5.4143,
23.1406

187.2333,
153.7483, 281.5914

 5.7034, 2.4923,
14.4910

228.5782,
190.8367, 338.0486

 2.7045, 0.8728,
8.3203

275.6013,

 0.9995, 0.0000,

233.4559, 401.5886

4.2099

328.6678,
281.9904, 472.6299

■ 0.0000, 0.0000,
1.7412

■ 0.0000, 0.0000,
0.3887

■ 52.8933, 37.8147,
90.8974

■ 52.8933, 37.8147,
90.8974

■ 48.0337, 30.8982,
89.8191

■ 58.6151, 46.3386,
92.2417

■ 43.9762, 25.4734,
88.9859

■ 65.2457, 56.5651,
93.8662

■ 40.6587, 21.4167,
88.3777

■ 72.8330, 68.5879,
95.7869

■ 38.0076, 18.5821,
87.9703

■ 81.4204, 82.4922,
98.0181

■ 35.9320, 16.7890,
87.7336

■ 90.8871, 98.0351,
100.5192

■ 35.1591, 16.2213,
87.6647

■ 93.2526, 99.2546,
100.6299

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



42.6401, 37.8147, 121.2721



52.8933, 37.8147, 90.8974



58.9721, 37.8147, 53.2929

Triad

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



52.8933, 37.8147, 90.8974



39.9559, 37.8147, 6.9010



20.3012, 37.8147, 62.0579

Complementary

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



52.8933, 37.8147, 90.8974



51.9914, 74.7857, 33.8867

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.



19.8564, 37.8147, 31.0471



52.8933, 37.8147, 90.8974



29.9844, 37.8147, 7.4878

Square

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



52.8933, 37.8147, 90.8974



50.6091, 37.8147, 11.6428



23.0646, 37.8147, 13.9960



24.4233, 37.8147, 99.8768

Rectangle

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



52.8933, 37.8147, 90.8974



59.1919, 37.8147, 33.2195



23.0646, 37.8147, 13.9960



19.7504, 37.8147, 50.3061

Sweetspot

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



52.8947, 37.8163, 90.8982



81.2689, 77.5310, 105.2894



39.5628, 38.3949, 91.7126



16.9823, 15.9327, 22.4302



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.



52.8947, 37.8163, 90.8982



52.8966, 34.2428, 98.4293



59.0604, 41.3952, 73.0988



16.7553, 16.5320, 20.8505



19.0793, 8.8100, 47.2329



1.7741, 0.8245, 4.1559

Inverse Universe

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



52.6557, 38.8333, 39.3720



53.0357, 35.7419, 33.9454



48.4351, 72.7357, 43.5060



16.6814, 16.5554, 18.0688



20.8589, 10.6870, 3.9653



1.8743, 0.9557, 0.5646

Previews

White Background



This preview shows how the XYZ color 52.8933, 37.8147, 90.8974 looks on a white background.

Color Contrast Check

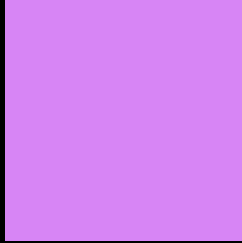
Large Text (above 18pt) WCAG AA × Fail

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 52.8933, 37.8147, 90.8974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

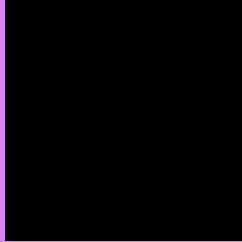
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.8933, 37.8147, 90.8974

Background



This preview shows how black text looks on a background with the XYZ color 52.8933, 37.8147, 90.8974.



This preview shows how white text looks on a background with the XYZ color 52.8933, 37.8147,

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

52.8933, 37.8147, 90.8974

Protanopia

40.6629, 38.3199, 99.8611

Deuteranopia

39.1720, 38.1013, 86.9511



Tritanopia

42.4677, 37.7973, 39.7077

Trichromacy



Original Color

52.8933, 37.8147, 90.8974



Protanomaly

43.5411, 37.1029, 96.1335



Deuteranomaly

42.7855, 37.1327, 88.1314



Tritanomaly

45.4832, 37.3665, 55.2673

Monochromacy



Original Color

52.8933, 37.8147, 90.8974



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

42.3847, 38.5843, 58.0369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8933, 37.8147, 90.8974 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(215, 133, 245)` looks like.

```
.text, #text, p{  
    color:rgb(215, 133, 245)  
}
```

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(215, 133, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 133, 245) }
```

Border

The CSS property to change the border of an element to XYZ 52.8933, 37.8147, 90.8974 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(215, 133, 245) }
```


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

```
.border{ border-color:rgb(215, 133, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 133, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 133, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 133, 245);  
box-shadow:4px 4px 4px 4px rgb(215, 133,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8933, 37.8147, 90.8974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 133, 245) }
```

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

```
.background{ background-color: rgb(215,  
133, 245) }
```

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