

Converting Colors

XYZ(53.7935, 37.1054, 98.9346)

Have a look what the booklet for
XYZ(53.7935, 37.1054, 98.9346)
contains.

XYZ(53.7935, 37.1054, 98.9346)	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(53.7935, 37.1054,
98.9346)**

Conversions

Conversions Part 1

Format	Color
Hex	D780FF
RGB	215, 128, 255
RGB Percent	84%, 50%, 100%
CMY	0.1569, 0.4980, 0.0000
CMYK	0.16, 0.50, 0.00, 0.00
HSL	281°, 100%, 75%
HSV	281°, 50%, 100%
XYZ	53.7935, 37.1054, 98.9346
YIQ	168.4910, 11.0850, 57.9410

Conversions

Conversions Part 2

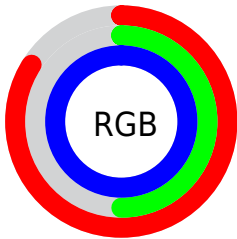
Format	Color
R _Y B	215, 128, 255
Decimal	14123263
CIE Lab	67.36, 54.29, -50.00
CIE LCh	67, 73.807, 317.360
Yxy	37.1054, 0.2834, 0.1955
Android (android.graphics.Color)	4292313343 (0xFFD780FF)
YUV	168.4910, 42.6489, 40.7884
Hunter-Lab	60.9142, 51.0340, -53.6567

Details

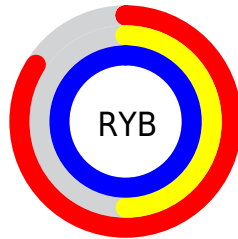
The XYZ color **53.7935, 37.1054, 98.9346** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **55.8054, 81.4036, 33.1947**, and the grayscale version is **37.2549, 39.1951, 42.6834**.

A 20% lighter version of the original color is **76.2235, 62.3470, 102.6245**, and **26.8097, 16.3785, 55.1744** is the 20% darker color. If you saturate the color by 10%, you get **48.5752, 30.0834, 97.8542**, and if you desaturate by 10%, it is **59.9658, 45.8612, 100.2993**.

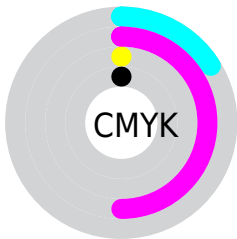
Distribution



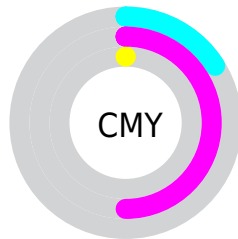
- Red (84%)
- Green (50%)
- Blue (100%)



- Red (84%)
- Yellow (50%)
- Blue (100%)



- Cyan (16%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7935, 37.1054, 98.9346 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 53.7935, 37.1054, 98.9346 by changing the saturation by 10% instead.


 53.7935, 37.1054,
98.9346

 53.7935, 37.1054,
98.9346

391.5333,
333.7666, 577.9889


 38.6666, 25.2891,
74.7992

 94.9296, 70.7349,
161.7314

 26.6800, 16.2926,
54.9476


 121.6696, 93.3168,
201.2298

 17.4684, 9.7314,
38.9615


 153.0113,
120.2561, 246.6863

 10.6664, 5.2213,
26.4222

189.3201,
151.9372, 298.5195

 5.9086, 2.3777,
16.9111

230.9613,
188.7443, 357.1477

 2.8297, 0.8144,
10.0099

278.3004,

 1.0644, 0.0000,

231.0620, 422.9897

5.2998

331.7026,
279.2747, 496.4639

■ 0.0000, 0.0000,
2.3624

■ 0.0000, 0.0000,
0.7659

■ 53.7935, 37.1054,
98.9346

■ 53.7935, 37.1054,
98.9346

■ 48.5752, 30.0834,
97.8542

■ 59.9658, 45.8612,
100.2993

■ 44.2414, 24.6622,
97.0362

■ 67.1469, 56.4616,
101.9669

■ 40.7189, 20.6965,
96.4564

■ 75.3920, 69.0133,
103.9550

■ 37.9188, 18.0112,
96.0857

■ 84.7507, 83.6133,
106.2799

■ 35.7002, 16.3271,
95.8776

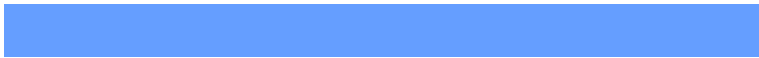
95.0500, 100.0000,
108.9000

■ 35.6591, 16.2978,
95.8741

Harmonies

Analogous

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



42.1581, 37.1054, 133.6897



53.7935, 37.1054, 98.9346



61.0099, 37.1054, 55.6103

Triad

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



53.7935, 37.1054, 98.9346



40.2406, 37.1054, 5.0167



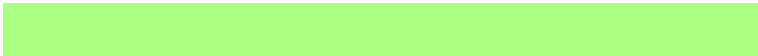
18.3248, 37.1054, 61.9650

Complementary

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



53.7935, 37.1054, 98.9346



55.8054, 81.4036, 33.1947

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.



18.0270, 37.1054, 28.2540



53.7935, 37.1054, 98.9346



29.1720, 37.1054, 5.3542

Square

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



53.7935, 37.1054, 98.9346



52.1338, 37.1054, 9.7324



21.5737, 37.1054, 11.2043



22.4987, 37.1054, 105.6672

Rectangle

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



53.7935, 37.1054, 98.9346



61.5123, 37.1054, 32.9408



21.5737, 37.1054, 11.2043



17.8056, 37.1054, 48.9113

Sweetspot

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



53.7948, 37.1069, 98.9348



79.7444, 75.7633, 105.0285



40.9959, 39.8959, 100.1477



16.6528, 15.5696, 22.3775



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.



53.7948, 37.1069, 98.9348



48.4811, 29.9611, 97.8356



63.4851, 42.5096, 80.9928



18.2036, 17.9967, 22.7642



18.7940, 8.5991, 50.1038



1.9430, 0.8956, 4.8837

Inverse Universe

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



56.0278, 39.5266, 41.7230



51.5115, 32.9708, 32.5825



50.2720, 78.3532, 41.8745



18.2450, 18.0813, 19.9075



22.3706, 11.4375, 5.3361



2.2251, 1.1324, 0.7668

Previews

White Background



This preview shows how the XYZ color 53.7935, 37.1054, 98.9346 looks on a white background.

Color Contrast Check

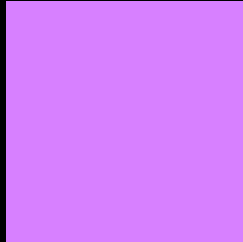
Large Text (above 18pt) WCAG AA × Fail

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 53.7935, 37.1054, 98.9346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

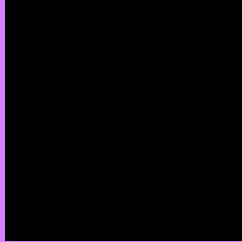
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.7935, 37.1054, 98.9346

Background



This preview shows how black text looks on a background with the XYZ color 53.7935, 37.1054, 98.9346.



This preview shows how white text looks on a background with the XYZ color 53.7935, 37.1054,

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

53.7935, 37.1054, 98.9346

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.6762, 37.6882, 94.0430



Tritanopia

41.5153, 36.8388, 39.1049

Trichromacy



Original Color

53.7935, 37.1054, 98.9346



Protanomaly

43.2947, 36.1885, 99.3109



Deuteranomaly

42.5797, 36.3674, 96.0422

Tritanomaly

45.0904, 36.4533, 56.8842

Monochromacy



Original Color

53.7935, 37.1054, 98.9346



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.8241, 37.2669, 59.6324

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7935, 37.1054, 98.9346 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, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 128, 255)  
}
```

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, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.7935, 37.1054, 98.9346 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, 128, 255) }
```


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

```
.border{ border-color:rgb(215, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7935, 37.1054, 98.9346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 128, 255) }
```

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

```
.background{ background-color: rgb(215,  
128, 255) }
```

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