

Converting Colors

XYZ(51.6567, 33.1790, 98.2893)

Have a look what the booklet for
XYZ(51.6567, 33.1790, 98.2893)
contains.

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Color

**XYZ(51.5757, 33.1045,
98.2792)**

Conversions

Conversions Part 1

Format	Color
Hex	D670FF
RGB	214, 112, 255
RGB Percent	84%, 44%, 100%
CMY	0.1608, 0.5608, 0.0000
CMYK	0.16, 0.56, 0.00, 0.00
HSL	283°, 100%, 72%
HSV	283°, 56%, 100%
XYZ	51.5757, 33.1045, 98.2792
YIQ	158.8000, 14.8890, 66.0970

Conversions

Conversions Part 2

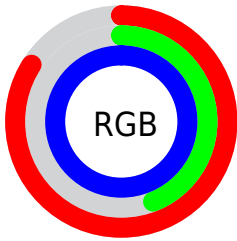
Format	Color
RYB	214, 112, 255
Decimal	14053631
CIELab	64.25, 61.94, -54.93
CIElCh	64, 82.787, 318.431
Yxy	33.1045, 0.2819, 0.1809
Android (android.graphics.Color)	4292243711 (0xFFD670FF)
YUV	158.8000, 47.4266, 48.4104
Hunter-Lab	57.5365, 59.3184, -60.9988

Details

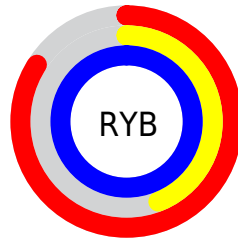
The XYZ color **51.5757, 33.1045, 98.2792** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.8221, 79.4625, 27.9370**, and the grayscale version is **32.6503, 34.3507, 37.4079**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **25.3665, 14.0714, 54.8052** is the 20% darker color. If you saturate the color by 10%, you get **47.0642, 27.1774, 97.3729**, and if you desaturate by 10%, it is **56.9818, 40.6765, 99.4558**.

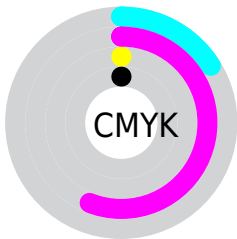
Distribution



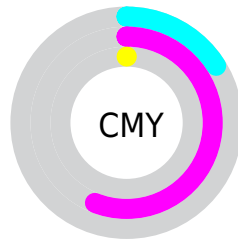
- Red (84%)
- Green (44%)
- Blue (100%)



- Red (84%)
- Yellow (44%)
- Blue (100%)



- Cyan (16%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5757, 33.1045, 98.2792 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 51.5757, 33.1045, 98.2792 by changing the saturation by 10% instead.


 51.5757, 33.1045,
98.2792

 51.5757, 33.1045,
98.2792

383.1473,
316.1204, 575.8609

 36.8899, 22.2065,
74.2553


 91.6831, 64.5386,
160.8216

 25.2955, 14.0087,
54.5050

 117.8354, 85.8436,
200.1772

 16.4273, 8.1267,
38.6096


 148.5406,
111.3863, 245.4805

 9.9198, 4.1761,
26.1507

184.1641,
141.5512, 297.1500

 5.4077, 1.7726,
16.7096

225.0711,
176.7227, 355.6042

 2.5256, 0.4700,
9.8679

271.6271,

 0.9082, 0.0000,

217.2851, 421.2618

5.2070

324.1974,
263.6228, 494.5412

■ 0.0000, 0.0000,
2.3084

■ 0.0000, 0.0000,
0.7359

■ 51.5757, 33.1045,
98.2792

■ 51.5757, 33.1045,
98.2792

■ 47.0642, 27.1774,
97.3729

■ 56.9818, 40.6765,
99.4558

■ 43.3732, 22.7522,
96.7133

■ 63.3413, 50.0122,
100.9226

■ 40.4218, 19.6675,
96.2735

■ 70.7118, 61.2242,
102.6983

■ 38.1079, 17.7214,
96.0198

■ 79.1449, 74.4139,
104.7997

■ 37.3154, 17.1517,
95.9516

■ 88.6888, 89.6759,
107.2425

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.



39.1623, 33.1045, 138.8719



51.5757, 33.1045, 98.2792



59.1948, 33.1045, 50.6405

Triad

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



51.5757, 33.1045, 98.2792



36.2166, 33.1045, 2.5537



14.5294, 33.1045, 60.6173

Complementary

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



51.5757, 33.1045, 98.2792



51.8221, 79.4625, 27.9370

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.



14.1152, 33.1045, 24.5640



51.5757, 33.1045, 98.2792



24.8485, 33.1045, 2.9126

Square

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



51.5757, 33.1045, 98.2792



48.9624, 33.1045, 6.0733



17.4077, 33.1045, 7.9021



18.7286, 33.1045, 109.3609

Rectangle

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



51.5757, 33.1045, 98.2792



59.5227, 33.1045, 27.3658



17.4077, 33.1045, 7.9021



13.9897, 33.1045, 46.3893

Sweetspot

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



51.5769, 33.1058, 98.2794



78.3204, 73.1107, 104.5916



36.4379, 34.0755, 99.2645



16.3868, 15.0547, 22.2921



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.



51.5769, 33.1058, 98.2794



46.6901, 26.7081, 97.3021



60.8172, 38.3623, 76.4395



18.2554, 18.0234, 22.7667



19.6528, 9.0419, 50.1440



2.0214, 0.9360, 4.8874

Inverse Universe

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



52.7846, 35.1493, 34.1403



48.6649, 29.3211, 25.3334



47.2209, 76.8763, 37.3947



18.2235, 18.0727, 19.7941



22.2344, 11.3830, 4.6187



2.2096, 1.1262, 0.6852

Previews

White Background



This preview shows how the XYZ color 51.5757, 33.1045, 98.2792 looks on a white background.

Color Contrast Check

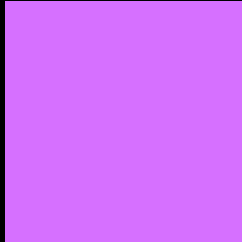
Large Text (above 18pt) WCAG AA × Fail

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 51.5757, 33.1045, 98.2792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

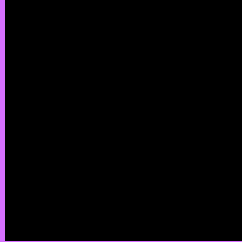
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.5757, 33.1045, 98.2792

Background



This preview shows how black text looks on a background with the XYZ color 51.5757, 33.1045, 98.2792.



This preview shows how white text looks on a background with the XYZ color 51.5757, 33.1045,

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

51.5757, 33.1045, 98.2792

Protanopia

36.3807, 33.5799, 99.1718

Deuteranopia

34.6208, 33.5565, 92.6480



Tritanopia

38.1718, 32.9639, 33.2050

Trichromacy



Original Color

51.5757, 33.1045, 98.2792

Protanomaly

39.7162, 31.8810, 98.6681

Deuteranomaly

38.3105, 31.6780, 94.5378

Tritanomaly

41.9616, 32.4335, 51.6256

Monochromacy



Original Color

51.5757, 33.1045, 98.2792

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

38.0010, 32.8247, 55.3719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5757, 33.1045, 98.2792 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(214, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 112, 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(214, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.5757, 33.1045, 98.2792 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(214, 112, 255) }
```


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

```
.border{ border-color:rgb(214, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5757, 33.1045, 98.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 112, 255) }
```

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

```
.background{ background-color: rgb(214,  
112, 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](#).

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