

Converting Colors

XYZ(53.5638, 41.8265, 99.8580)

Have a look what the booklet for
XYZ(53.5638, 41.8265, 99.8580)
contains.

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Color

**XYZ(53.5849, 41.7292,
99.8380)**

Conversions

Conversions Part 1

Format	Color
Hex	CB96FF
RGB	203, 150, 255
RGB Percent	80%, 59%, 100%
CMY	0.2039, 0.4117, 0.0000
CMYK	0.20, 0.41, 0.00, 0.00
HSL	270°, 100%, 79%
HSV	270°, 41%, 100%
XYZ	53.5849, 41.7292, 99.8380
YIQ	177.8170, -2.1170, 43.8910

Conversions

Conversions Part 2

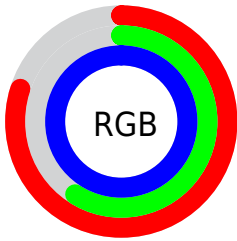
Format	Color
R_{YB}	203, 150, 255
Decimal	13342463
CIE _{Lab}	70.68, 39.41, -44.85
CIE _{LCh}	71, 59.705, 311.312
Yxy	41.7292, 0.2746, 0.2138
Android (android.graphics.Color)	4291532543 (0xFFCB96FF)
YUV	177.8170, 38.0512, 22.0855
Hunter-Lab	64.5981, 35.0210, -46.4154

Details

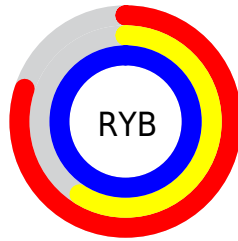
The XYZ color **53.5849, 41.7292, 99.8380** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.6228, 86.2789, 42.0506**, and the grayscale version is **42.0277, 44.2164, 48.1517**.

A 20% lighter version of the original color is **81.1213, 72.1426, 104.2571**, and **26.5933, 19.0156, 55.6948** is the 20% darker color. If you saturate the color by 10%, you get **46.6498, 32.7573, 98.4718**, and if you desaturate by 10%, it is **61.6882, 52.6193, 101.5130**.

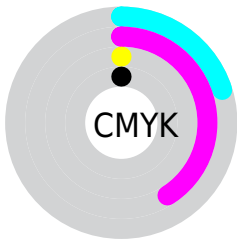
Distribution



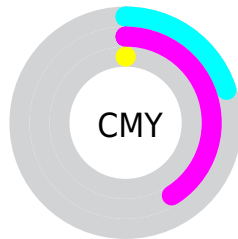
- Red (80%)
- Green (59%)
- Blue (100%)



- Red (80%)
- Yellow (59%)
- Blue (100%)



- Cyan (20%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5849, 41.7292, 99.8380 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 53.5849, 41.7292, 99.8380 by changing the saturation by 10% instead.


 53.5849, 41.7292,
99.8380


 53.5849, 41.7292,
99.8380


390.7494,
353.3591, 580.9154

 38.4992, 28.8893,
75.5491

 94.6250, 77.7896,
162.9845

 26.5494, 18.9971,
55.5584


 121.3101,
101.7789, 202.6792

 17.3699, 11.6682,
39.4474


152.5924,
130.2535, 248.3462

 10.5955, 6.5182,
26.7974

188.8373,
163.5977, 300.4041

 5.8608, 3.1626,
17.1901

230.4100,
202.1960, 359.2714

 2.8005, 1.2172,
10.2067

277.6761,

 1.0492, 0.0757,

246.4328, 425.3667

5.4288

331.0007,
296.6923, 499.1085

■ 0.0000, 0.0000,
2.4379

■ 0.0000, 0.0000,
0.8070

■ 53.5849, 41.7292,
99.8380

■ 53.5849, 41.7292,
99.8380

■ 46.6498, 32.7573,
98.4718

■ 61.6882, 52.6193,
101.5130

■ 40.8140, 25.5794,
97.3939

■ 71.0148, 65.5316,
103.5137

■ 36.0073, 20.0635,
96.5826

■ 81.6210, 80.5682,
105.8571

■ 32.1477, 16.0569,
96.0127

■ 93.5579, 97.8230,
108.5584

■ 29.1384, 13.3766,
95.6539

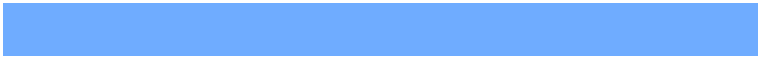
95.0500, 100.0000,
108.9000

■ 27.0601, 11.8649,
95.4717

Harmonies

Analogous

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



43.5099, 41.7292, 122.4790



53.5849, 41.7292, 99.8380



60.5373, 41.7292, 65.2124

Triad

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



53.5849, 41.7292, 99.8380



46.0719, 41.7292, 10.9114



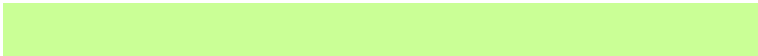
23.7870, 41.7292, 56.9758

Complementary

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



53.5849, 41.7292, 99.8380



65.6228, 86.2789, 42.0506

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.



24.2401, 41.7292, 30.1263



53.5849, 41.7292, 99.8380



36.0486, 41.7292, 10.2258

Square

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



53.5849, 41.7292, 99.8380



55.7267, 41.7292, 18.1352



28.3880, 41.7292, 15.5802



27.0264, 41.7292, 91.6973

Rectangle

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



53.5849, 41.7292, 99.8380



61.8692, 41.7292, 44.2007



28.3880, 41.7292, 15.5802



23.5288, 41.7292, 46.6941

Sweetspot

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



53.5863, 41.7308, 99.8383



80.6962, 79.2449, 105.6504



51.8669, 56.1814, 102.7182



16.9629, 16.5198, 22.5445



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.



53.5863, 41.7308, 99.8383



48.0624, 34.5519, 98.7438



70.1970, 50.2940, 100.6157



17.8769, 17.8283, 22.7489



14.3121, 6.2886, 49.8941



1.5196, 0.6773, 4.8639

Inverse Universe

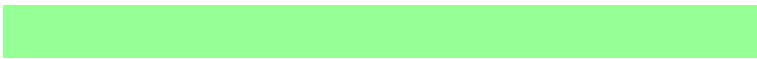
The Inverse Universe completely reimagines the original color for something new.



62.8078, 47.3383, 61.7049



58.7359, 41.0412, 54.6541



53.8437, 80.2065, 41.4994



18.3845, 18.1371, 20.6417



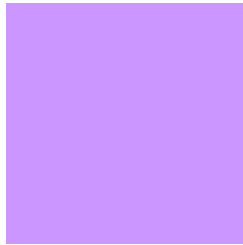
23.6013, 11.9298, 11.8170



2.3530, 1.1836, 1.4406

Previews

White Background



This preview shows how the XYZ color 53.5849, 41.7292, 99.8380 looks on a white background.

Color Contrast Check

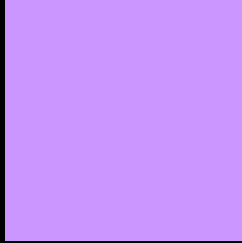
Large Text (above 18pt) WCAG AA × Fail

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 53.5849, 41.7292, 99.8380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

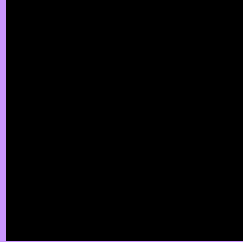
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.5849, 41.7292, 99.8380

Background



This preview shows how black text looks on a background with the XYZ color 53.5849, 41.7292, 99.8380.



This preview shows how white text looks on a background with the XYZ color 53.5849, 41.7292,

99.8380.

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

53.5849, 41.7292, 99.8380

Protanopia

43.9263, 41.8987, 100.3798

Deuteranopia

43.3204, 42.2209, 97.1330



Tritanopia

43.0081, 41.4743, 48.3864

Trichromacy



Original Color

53.5849, 41.7292, 99.8380



Protanomaly

46.6642, 41.4137, 100.1419



Deuteranomaly

46.1560, 41.4717, 97.6676



Tritanomaly

46.3390, 41.2487, 64.5510

Monochromacy



Original Color

53.5849, 41.7292, 99.8380



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

45.6367, 43.0263, 64.2921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5849, 41.7292, 99.8380 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(203, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 150, 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(203, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.5849, 41.7292, 99.8380 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(203, 150, 255) }
```


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

```
.border{ border-color:rgb(203, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5849, 41.7292, 99.8380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 150, 255) }
```

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

```
.background{ background-color: rgb(203,  
150, 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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