

Converting Colors

XYZ(64.9471, 47.3823,
159.2497)

Have a look what the booklet for
XYZ(64.9471, 47.3823, 159.2497)
contains.

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Color

**XYZ(53.8587, 43.0802,
100.0844)**

Conversions

Conversions Part 1

Format	Color
Hex	C99BFF
RGB	201, 155, 255
RGB Percent	79%, 61%, 100%
CMY	0.2118, 0.3921, 0.0000
CMYK	0.21, 0.39, 0.00, 0.00
HSL	268°, 100%, 80%
HSV	268°, 39%, 100%
XYZ	53.8587, 43.0802, 100.0844
YIQ	180.1540, -4.6840, 40.8520

Conversions

Conversions Part 2

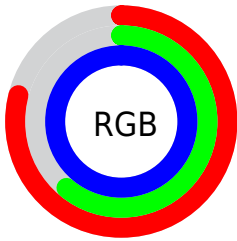
Format	Color
R _Y B	201, 155, 255
Decimal	13212671
CIE Lab	71.61, 36.13, -43.41
CIE LCh	72, 56.477, 309.769
Yxy	43.0802, 0.2734, 0.2187
Android (android.graphics.Color)	4291402751 (0xFFC99BFF)
YUV	180.1540, 36.8991, 18.2819
Hunter-Lab	65.6355, 31.6101, -44.4636

Details

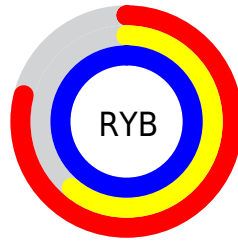
The XYZ color **53.8587, 43.0802, 100.0844** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.9716, 87.4422, 44.3076**, and the grayscale version is **43.2763, 45.5300, 49.5822**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **26.7203, 19.7975, 55.8391** is the 20% darker color. If you saturate the color by 10%, you get **46.5173, 33.6478, 98.6507**, and if you desaturate by 10%, it is **62.4307, 54.4790, 101.8328**.

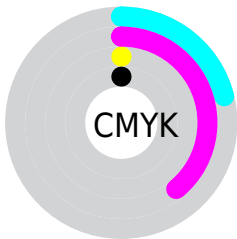
Distribution



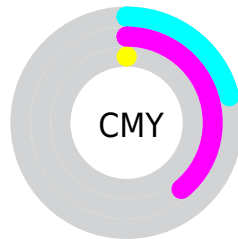
- Red (79%)
- Green (61%)
- Blue (100%)



- Red (79%)
- Yellow (61%)
- Blue (100%)



- Cyan (21%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8587, 43.0802, 100.0844 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 53.8587, 43.0802, 100.0844 by changing the saturation by 10% instead.


 53.8587, 43.0802,
100.0844


 53.8587, 43.0802,
100.0844


391.7781,
358.9415, 581.7122

 38.7189, 29.9480,
75.7537

 95.0249, 79.8319,
163.3260

 26.7209, 19.7992,
55.7252

 121.7819,
104.2202, 203.0741

 17.4992, 12.2491,
39.5801

153.1422,
133.1293, 248.7984

 10.6886, 6.9136,
26.9000

189.4709,
166.9437, 300.9175

 5.9236, 3.4081,
17.2664

231.1336,
206.0477, 359.8499

 2.8389, 1.3483,
10.2606

278.4954,

 1.0691, 0.1782,

250.8258, 426.0141

5.4642

331.9218,
301.6622, 499.8287

■ 0.0000, 0.0000,
2.4587

■ 0.0000, 0.0000,
0.8181

■ 53.8587, 43.0802,
100.0844

■ 53.8587, 43.0802,
100.0844

■ 46.5173, 33.6478,
98.6507

■ 62.4307, 54.4790,
101.8328

■ 40.3368, 26.0585,
97.5116

■ 72.2895, 67.9473,
103.9128

■ 35.2462, 20.1826,
96.6457

■ 83.4924, 83.5869,
106.3411

■ 31.1637, 15.8705,
96.0285

95.0500, 100.0000,
108.9000

■ 27.9933, 12.9451,
95.6310

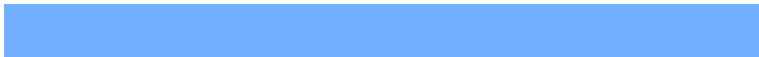
■ 25.5951, 11.1419,
95.4093

■ 25.4267, 11.0228,
95.3952

Harmonies

Analogous

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



44.1433, 43.0802, 120.2118



53.8587, 43.0802, 100.0844



60.7167, 43.0802, 67.5558

Triad

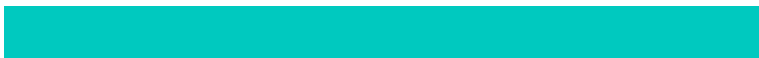
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.8587, 43.0802, 100.0844



47.6338, 43.0802, 12.8328



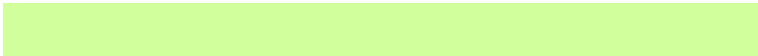
25.3786, 43.0802, 56.4124

Complementary

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



53.8587, 43.0802, 100.0844



67.9716, 87.4422, 44.3076

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.



26.0142, 43.0802, 30.9633



53.8587, 43.0802, 100.0844



37.9078, 43.0802, 11.8144

Square

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



53.8587, 43.0802, 100.0844



56.7530, 43.0802, 20.6581



30.2828, 43.0802, 16.9745



28.3865, 43.0802, 89.2558

Rectangle

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



53.8587, 43.0802, 100.0844



62.2024, 43.0802, 47.1199



30.2828, 43.0802, 16.9745



25.1856, 43.0802, 46.6948

Sweetspot

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



53.8601, 43.0819, 100.0846



80.2333, 79.0062, 105.6287



54.6154, 60.2830, 103.3650



16.8540, 16.4637, 22.5395



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.



53.8601, 43.0819, 100.0846



48.0405, 35.5733, 98.9421



69.1964, 50.9880, 100.8024



17.7970, 17.7871, 22.7452



13.4537, 5.8461, 49.8539



1.4343, 0.6333, 4.8599

Inverse Universe

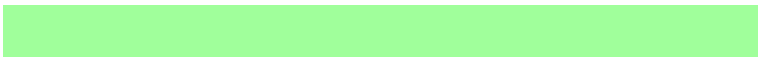
The Inverse Universe completely reimagines the original color for something new.



64.4708, 49.3075, 66.4418



60.3349, 42.7938, 59.6430



56.1747, 81.3607, 43.7555



18.4196, 18.1511, 20.8267



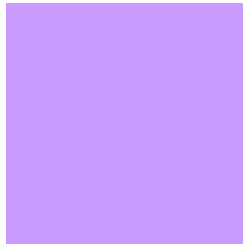
24.0108, 12.0936, 13.9730



2.3930, 1.1996, 1.6511

Previews

White Background



This preview shows how the XYZ color 53.8587, 43.0802, 100.0844 looks on a white background.

Color Contrast Check

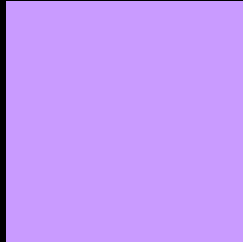
Large Text (above 18pt) WCAG AA × Fail

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 53.8587, 43.0802, 100.0844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

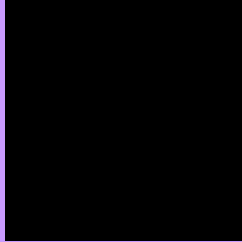
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.8587, 43.0802, 100.0844

Background



This preview shows how black text looks on a background with the XYZ color 53.8587, 43.0802, 100.0844.



This preview shows how white text looks on a background with the XYZ color 53.8587, 43.0802,

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

53.8587, 43.0802, 100.0844

Protanopia

45.2063, 43.4030, 100.6027

Deuteranopia

44.5813, 43.4402, 97.3019



Tritanopia

44.0127, 43.0290, 51.3331

Trichromacy



Original Color

53.8587, 43.0802, 100.0844



Protanomaly

47.6226, 42.7079, 100.3412



Deuteranomaly

47.3258, 42.8812, 97.8780

Tritanomaly

47.0803, 42.9009, 66.7721

Monochromacy



Original Color

53.8587, 43.0802, 100.0844



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

46.5644, 44.3222, 65.1323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8587, 43.0802, 100.0844 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(201, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 155, 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(201, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 155, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.8587, 43.0802, 100.0844 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(201, 155, 255) }
```


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

```
.border{ border-color:rgb(201, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 155,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8587, 43.0802, 100.0844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 155, 255) }
```

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

```
.background{ background-color: rgb(201,  
155, 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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