

Converting Colors

XYZ(75.7855, 56.8688,
204.0462)

Have a look what the booklet for
XYZ(75.7855, 56.8688, 204.0462)
contains.

XYZ(56.2823, 49.1129, 101.1211)	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(56.2823, 49.1129,
101.1211)**

Conversions

Conversions Part 1

Format	Color
Hex	C6ADFF
RGB	198, 173, 255
RGB Percent	78%, 68%, 100%
CMY	0.2235, 0.3216, 0.0000
CMYK	0.22, 0.32, 0.00, 0.00
HSL	258°, 100%, 84%
HSV	258°, 32%, 100%
XYZ	56.2823, 49.1129, 101.1211
YIQ	189.8230, -11.4220, 30.8020

Conversions

Conversions Part 2

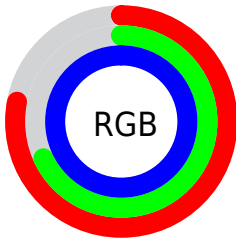
Format	Color
R _Y B	198, 173, 255
Decimal	13020671
CIE Lab	75.52, 25.38, -37.33
CIE LCh	76, 45.144, 304.208
Yxy	49.1129, 0.2725, 0.2378
Android (android.graphics.Color)	4291210751 (0xFFC6ADFF)
YUV	189.8230, 32.1323, 7.1712
Hunter-Lab	70.0806, 20.7138, -36.4947

Details

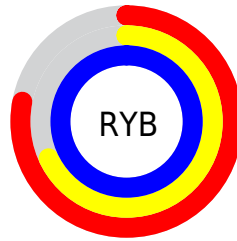
The XYZ color **56.2823, 49.1129, 101.1211** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **75.9366, 91.3604, 53.1692**, and the grayscale version is **48.6689, 51.2034, 55.7605**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **28.2372, 23.3498, 56.4448** is the 20% darker color. If you saturate the color by 10%, you get **47.4493, 37.9811, 99.4380**, and if you desaturate by 10%, it is **66.5982, 62.3965, 103.1414**.

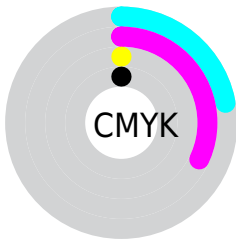
Distribution



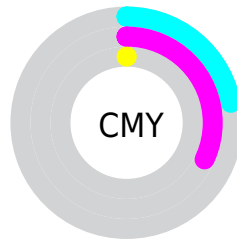
- Red (78%)
- Green (68%)
- Blue (100%)



- Red (78%)
- Yellow (68%)
- Blue (100%)



- Cyan (22%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2823, 49.1129, 101.1211 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 56.2823, 49.1129, 101.1211 by changing the saturation by 10% instead.

■ 56.2823, 49.1129,
101.1211

■ 56.2823, 49.1129,
101.1211

400.8123,
383.1866, 585.0584

■ 40.6672, 34.7090,
76.6151

■ 98.5546, 88.8591,
164.7623

■ 28.2456, 23.4388,
56.4273

125.9426,
114.9703, 204.7345

■ 18.6523, 14.9179,
40.1393

157.9855,
145.7526, 250.6991

■ 11.5218, 8.7618,
27.3326

195.0487,
181.5906, 303.0748

■ 6.4888, 4.5861,
17.5885

237.4977,
222.8686, 362.2801

■ 3.1880, 2.0065,
10.4886

285.6977,

■ 1.2539, 0.6113,

269.9710, 428.7334

5.6143

340.0141,
323.2822, 502.8533

■ 0.1483, 0.0000,
2.5470

■ 0.0000, 0.0000,
0.8649

■ 56.2823, 49.1129,
101.1211

■ 56.2823, 49.1129,
101.1211

■ 47.4493, 37.9811,
99.4380

■ 66.5982, 62.3965,
103.1414

■ 40.0227, 28.8793,
98.0726

■ 78.4594, 77.9335,
105.5152

■ 33.9255, 21.6820,
97.0047

■ 91.9300, 95.8259,
108.2588

■ 29.0709, 16.2468,
96.2115

95.0500, 100.0000,
108.9000

■ 25.3607, 12.4105,
95.6666

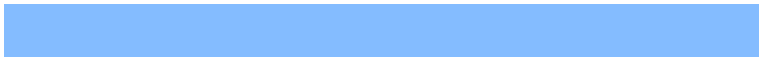
■ 22.6790, 9.9778,
95.3383

■ 21.1710, 8.8289,
95.1961

Harmonies

Analogous

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



47.8663, 49.1129, 113.5511



56.2823, 49.1129, 101.1211



62.6476, 49.1129, 76.0343

Triad

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



56.2823, 49.1129, 101.1211



54.0061, 49.1129, 21.8817



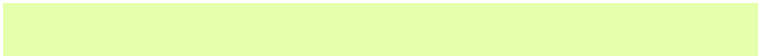
32.4523, 49.1129, 56.9150

Complementary

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



56.2823, 49.1129, 101.1211



75.9366, 91.3604, 53.1692

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.



33.6866, 49.1129, 35.8885



56.2823, 49.1129, 101.1211



45.5141, 49.1129, 19.5203

Square

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



56.2823, 49.1129, 101.1211



61.2276, 49.1129, 31.5998



38.2377, 49.1129, 23.7911



34.6417, 49.1129, 83.6520

Rectangle

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



56.2823, 49.1129, 101.1211



64.5086, 49.1129, 58.2420



38.2377, 49.1129, 23.7911



32.4826, 49.1129, 48.9766

Sweetspot

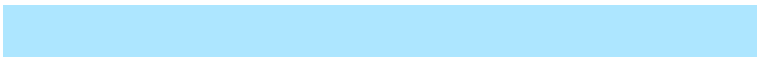
The Sweet Spot groups the original color and five complimentary colors.



56.2838, 49.1148, 101.1214



81.2246, 81.5875, 106.0747



63.6930, 72.9219, 105.3261



16.9977, 16.9504, 22.6258



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.



56.2838, 49.1148, 101.1214



50.0814, 41.2691, 99.9339



68.4563, 55.3899, 101.6910



17.5238, 17.6462, 22.7324



11.1944, 4.6814, 49.7482



1.1955, 0.5102, 4.8487

Inverse Universe

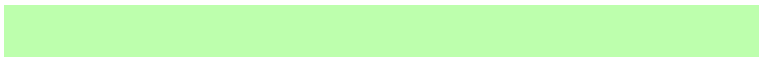
The Inverse Universe completely reimagines the original color for something new.



70.4674, 56.8618, 82.1249



66.6000, 50.3049, 77.2047



64.3896, 85.4077, 52.6288



18.5430, 18.2005, 21.4764



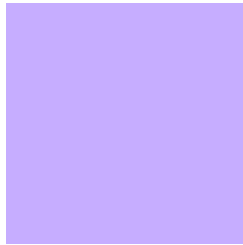
25.7784, 12.8006, 23.2811



2.5587, 1.2658, 2.5234

Previews

White Background



This preview shows how the XYZ color 56.2823, 49.1129, 101.1211 looks on a white background.

Color Contrast Check

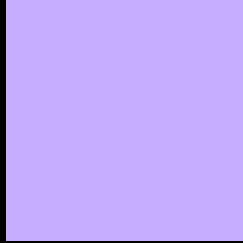
Large Text (above 18pt) WCAG AA × Fail

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 56.2823, 49.1129, 101.1211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

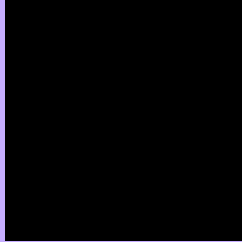
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.2823, 49.1129, 101.1211

Background



This preview shows how black text looks on a background with the XYZ color 56.2823, 49.1129, 101.1211.



This preview shows how white text looks on a background with the XYZ color 56.2823, 49.1129,

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

56.2823, 49.1129, 101.1211

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.5960, 49.4798, 99.8124



Tritanopia

48.1883, 49.0959, 60.9695

Trichromacy



Original Color

56.2823, 49.1129, 101.1211

Protanomaly

52.5027, 49.2096, 101.3390

Deuteranomaly

52.5707, 49.2633, 100.5039

Tritanomaly

50.8457, 48.9635, 73.7889

Monochromacy



Original Color

56.2823, 49.1129, 101.1211

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.2704, 50.4735, 70.6584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2823, 49.1129, 101.1211 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(198, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 173, 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(198, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 56.2823, 49.1129, 101.1211 is called "border". The border property can be set on classes, ids or directly on the HTML element.

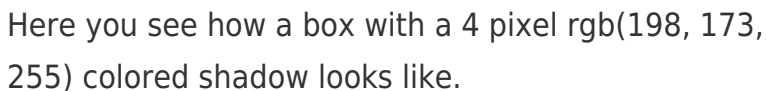
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 173, 255) }
```


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

```
.border{ border-color:rgb(198, 173, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2823, 49.1129, 101.1211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 173, 255) }
```

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

```
.background{ background-color: rgb(198,  
173, 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