

Converting Colors

XYZ(71.9587, 54.4056,
170.7115)

Have a look what the booklet for
XYZ(71.9587, 54.4056, 170.7115)
contains.

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Color

**XYZ(58.8163, 49.2976,
101.0232)**

Conversions

Conversions Part 1

Format	Color
Hex	D2A9FF
RGB	210, 169, 255
RGB Percent	82%, 66%, 100%
CMY	0.1765, 0.3372, 0.0000
CMYK	0.18, 0.34, 0.00, 0.00
HSL	269°, 100%, 83%
HSV	269°, 34%, 100%
XYZ	58.8163, 49.2976, 101.0232
YIQ	191.0630, -3.1700, 35.4380

Conversions

Conversions Part 2

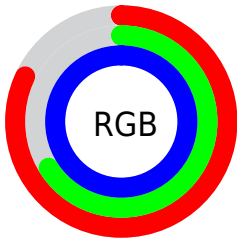
Format	Color
R _Y B	210, 169, 255
Decimal	13806079
CIE Lab	75.64, 31.10, -37.07
CIE LCh	76, 48.388, 309.988
Yxy	49.2976, 0.2812, 0.2357
Android (android.graphics.Color)	4291996159 (0xFFD2A9FF)
YUV	191.0630, 31.5209, 16.6077
Hunter-Lab	70.2122, 26.6567, -36.1594

Details

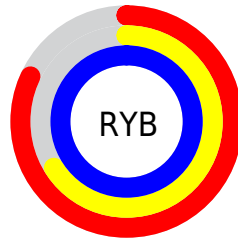
The XYZ color **58.8163, 49.2976, 101.0232** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.6540, 88.6812, 50.9316**, and the grayscale version is **49.3835, 51.9553, 56.5793**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **29.7649, 23.4380, 56.3813** is the 20% darker color. If you saturate the color by 10%, you get **50.8852, 38.8411, 99.4229**, and if you desaturate by 10%, it is **67.9922, 61.7714, 102.9472**.

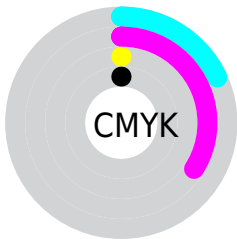
Distribution



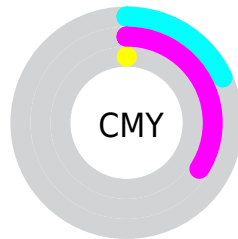
- Red (82%)
- Green (66%)
- Blue (100%)



- Red (82%)
- Yellow (66%)
- Blue (100%)



- Cyan (18%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8163, 49.2976, 101.0232 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 58.8163, 49.2976, 101.0232 by changing the saturation by 10% instead.


 58.8163, 49.2976,
101.0232


 58.8163, 49.2976,
101.0232


410.1258,
383.9127, 584.7429

 42.7111, 34.8556,
76.5337


 102.2268, 89.1333,
164.6267

 29.8520, 23.5517,
56.3610


 130.2627,
115.2958, 204.5778

 19.8738, 15.0014,
40.0865


163.0063,
146.1339, 250.5198

 12.4111, 8.8204,
27.2917

200.8228,
182.0321, 302.8713

 7.0985, 4.6242,
17.5580

244.0777,
223.3746, 362.0508

 3.5706, 2.0285,
10.4670

293.1363,

 1.4622, 0.6240,

270.5460, 428.4769

5.6000

348.3638,
323.9306, 502.5681

■ 0.2999, 0.0000,
2.5386

■ 0.0000, 0.0000,
0.8605

■ 58.8163, 49.2976,
101.0232

■ 58.8163, 49.2976,
101.0232

■ 50.8852, 38.8411,
99.4229

■ 67.9922, 61.7714,
102.9472

■ 44.1328, 30.2840,
98.1271

■ 78.4654, 76.3596,
105.2110

■ 38.4928, 23.5051,
97.1159

■ 90.2908, 93.1602,
107.8306

■ 33.8901, 18.3658,
96.3665

95.0500, 100.0000,
108.9000

■ 30.2380, 14.7063,
95.8526

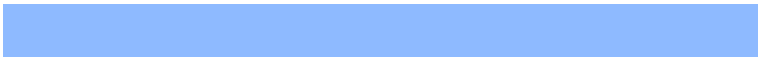
■ 27.4328, 12.3322,
95.5422

■ 26.0153, 11.3263,
95.4228

Harmonies

Analogous

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



49.9066, 49.2976, 118.3701



58.8163, 49.2976, 101.0232



64.9706, 49.2976, 72.3847

Triad

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



58.8163, 49.2976, 101.0232



52.9995, 49.2976, 19.3928



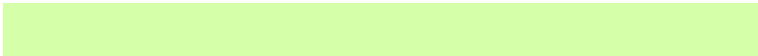
31.8603, 49.2976, 62.6931

Complementary

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



58.8163, 49.2976, 101.0232



70.6540, 88.6812, 50.9316

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.



32.4663, 49.2976, 38.5065



58.8163, 49.2976, 101.0232



43.9321, 49.2976, 18.2833

Square

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



58.8163, 49.2976, 101.0232



61.3269, 49.2976, 27.8120



36.6379, 49.2976, 24.0636



34.8617, 49.2976, 92.0168

Rectangle

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



58.8163, 49.2976, 101.0232



66.2720, 49.2976, 53.6869



36.6379, 49.2976, 24.0636



31.6589, 49.2976, 53.6665

Sweetspot

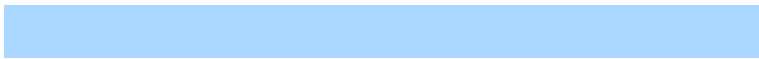
The Sweet Spot groups the original color and five complimentary colors.



58.8178, 49.2996, 101.0235



82.7082, 82.3523, 106.1441



58.6801, 64.1895, 103.9048



17.3555, 17.1349, 22.6426



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.



58.8178, 49.2996, 101.0235



53.6978, 42.5072, 99.9823



72.4320, 56.3179, 101.6606



17.8268, 17.8025, 22.7466



13.7634, 6.0058, 49.8684



1.4653, 0.6493, 4.8614

Inverse Universe

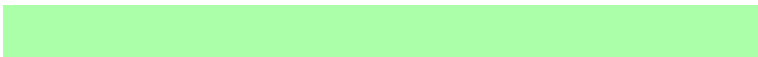
The Inverse Universe completely reimagines the original color for something new.



67.5666, 54.4927, 70.5766



63.8171, 48.5168, 64.6308



59.9068, 83.1408, 50.4286



18.4064, 18.1459, 20.7574



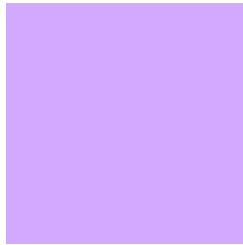
23.8525, 12.0303, 13.1399



2.3777, 1.1934, 1.5703

Previews

White Background



This preview shows how the XYZ color 58.8163, 49.2976, 101.0232 looks on a white background.

Color Contrast Check

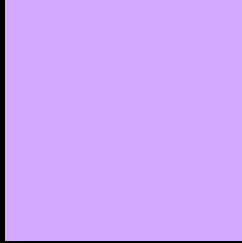
Large Text (above 18pt) WCAG AA × Fail

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 58.8163, 49.2976, 101.0232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

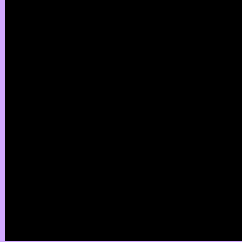
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.8163, 49.2976, 101.0232

Background



This preview shows how black text looks on a background with the XYZ color 58.8163, 49.2976, 101.0232.



This preview shows how white text looks on a background with the XYZ color 58.8163, 49.2976,

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

58.8163, 49.2976, 101.0232

Protanopia

50.7075, 49.5003, 101.4897

Deuteranopia

50.8596, 49.6341, 98.9952



Tritanopia

50.1936, 49.2672, 58.4938

Trichromacy



Original Color

58.8163, 49.2976, 101.0232



Protanomaly

53.2262, 49.2840, 101.3152



Deuteranomaly

53.3782, 49.3993, 99.6502

Tritanomaly

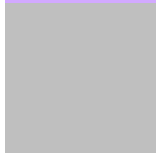
53.1484, 49.2914, 72.3586

Monochromacy



Original Color

58.8163, 49.2976, 101.0232



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

52.3598, 50.7278, 70.6501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8163, 49.2976, 101.0232 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(210, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 169, 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(210, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.8163, 49.2976, 101.0232 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(210, 169, 255) }
```


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

```
.border{ border-color:rgb(210, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8163, 49.2976, 101.0232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 169, 255) }
```

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

```
.background{ background-color: rgb(210,  
169, 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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