

Converting Colors

XYZ(75.6807, 56.6813,
188.7778)

Have a look what the booklet for
XYZ(75.6807, 56.6813, 188.7778)
contains.

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Color

**XYZ(58.9074, 49.9011,
101.1349)**

Conversions

Conversions Part 1

Format	Color
Hex	D1ABFF
RGB	209, 171, 255
RGB Percent	82%, 67%, 100%
CMY	0.1804, 0.3294, 0.0000
CMYK	0.18, 0.33, 0.00, 0.00
HSL	267°, 100%, 84%
HSV	267°, 33%, 100%
XYZ	58.9074, 49.9011, 101.1349
YIQ	191.9380, -4.3160, 34.1800

Conversions

Conversions Part 2

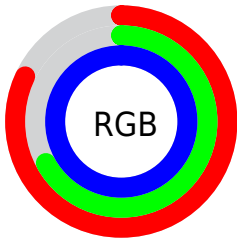
Format	Color
R _Y B	209, 171, 255
Decimal	13741055
CIE Lab	76.01, 29.71, -36.50
CIE LCh	76, 47.066, 309.142
Yxy	49.9011, 0.2806, 0.2377
Android (android.graphics.Color)	4291931135 (0xFFD1ABFF)
YUV	191.9380, 31.0896, 14.9634
Hunter-Lab	70.6407, 25.2302, -35.4358

Details

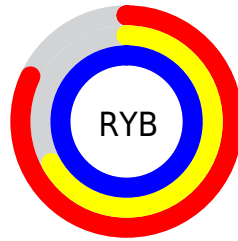
The XYZ color **58.9074, 49.9011, 101.1349** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.7268, 89.2124, 51.9694**, and the grayscale version is **49.8943, 52.4927, 57.1646**.

A 20% lighter version of the original color is **86.7591, 83.4182, 106.1364**, and **29.8083, 23.8064, 56.4501** is the 20% darker color. If you saturate the color by 10%, you get **50.7682, 39.2324, 99.5046**, and if you desaturate by 10%, it is **68.3250, 62.6104, 103.0916**.

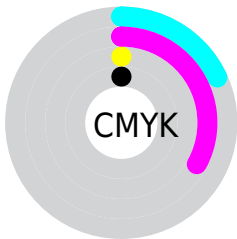
Distribution



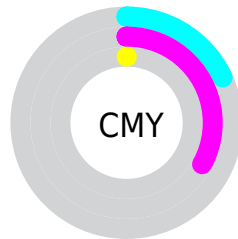
- Red (82%)
- Green (67%)
- Blue (100%)



- Red (82%)
- Yellow (67%)
- Blue (100%)



- Cyan (18%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9074, 49.9011, 101.1349 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 58.9074, 49.9011, 101.1349 by changing the saturation by 10% instead.


 58.9074, 49.9011,
101.1349

 58.9074, 49.9011,
101.1349


410.4582,
386.2791, 585.1029

 42.7847, 35.3348,
76.6265

 102.3585, 90.0283,
164.7814

 29.9100, 23.9209,
56.4367


130.4175,
116.3581, 204.7566

 19.9180, 15.2750,
40.1468

163.1860,
147.3777, 250.7244

 12.4434, 9.0126,
27.3384

201.0294,
183.4718, 303.1035

 7.1207, 4.7494,
17.5928

244.3129,
225.0245, 362.3124

 3.5847, 2.1010,
10.4916

293.4020,

 1.4700, 0.6652,

272.4204, 428.7695

5.6163

348.6620,
326.0438, 502.8935

■ 0.3053, 0.0000,
2.5482

■ 0.0000, 0.0000,
0.8655

■ 58.9074, 49.9011,
101.1349

■ 58.9074, 49.9011,
101.1349

■ 50.7682, 39.2324,
99.5046

■ 68.3250, 62.6104,
103.0916

■ 43.8404, 30.4867,
98.1816

■ 79.0744, 77.4574,
105.3908

■ 38.0573, 23.5428,
97.1461

■ 91.2110, 94.5400,
108.0485

■ 33.3428, 18.2633,
96.3755

95.0500, 100.0000,
108.9000

■ 29.6102, 14.4893,
95.8438

■ 26.7556, 12.0291,
95.5194

■ 25.1674, 10.8892,
95.3831

Harmonies

Analogous

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



50.1634, 49.9011, 117.4325



58.9074, 49.9011, 101.1349



65.0238, 49.9011, 73.4359

Triad

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



58.9074, 49.9011, 101.1349



53.6995, 49.9011, 20.5134



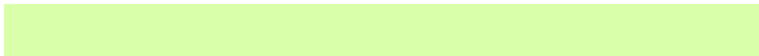
32.6348, 49.9011, 62.3855

Complementary

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



58.9074, 49.9011, 101.1349



71.7268, 89.2124, 51.9694

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.



33.3351, 49.9011, 38.8697



58.9074, 49.9011, 101.1349



44.7968, 49.9011, 19.2075

Square

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



58.9074, 49.9011, 101.1349



61.7687, 49.9011, 29.1665



37.5487, 49.9011, 24.7946



35.5012, 49.9011, 90.9359

Rectangle

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



58.9074, 49.9011, 101.1349



66.3967, 49.9011, 55.0611



37.5487, 49.9011, 24.7946



32.4694, 49.9011, 53.6129

Sweetspot

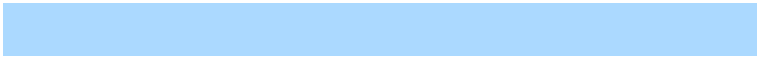
The Sweet Spot groups the original color and five complimentary colors.



58.9089, 49.9031, 101.1352



82.4957, 82.2428, 106.1342



59.7104, 65.6082, 104.1243



17.3041, 17.1084, 22.6402



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.



58.9089, 49.9031, 101.1352



53.0325, 42.1642, 99.9511



72.3254, 56.8195, 101.7630



17.7835, 17.7801, 22.7446



13.3172, 5.7758, 49.8475



1.4205, 0.6262, 4.8593

Inverse Universe

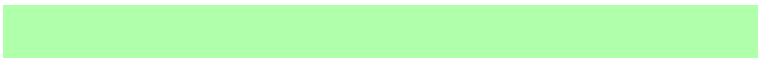
The Inverse Universe completely reimagines the original color for something new.



68.3283, 55.3972, 72.7381



64.1221, 48.6388, 66.2372



60.8361, 83.5980, 51.4598



18.4256, 18.1535, 20.8583



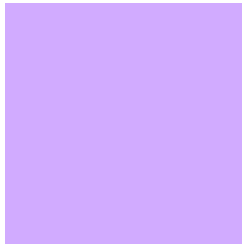
24.0848, 12.1232, 14.3629



2.4002, 1.2024, 1.6887

Previews

White Background



This preview shows how the XYZ color 58.9074, 49.9011, 101.1349 looks on a white background.

Color Contrast Check

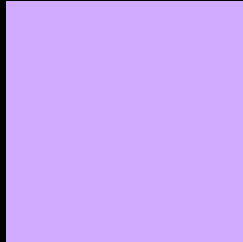
Large Text (above 18pt) WCAG AA × Fail

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 58.9074, 49.9011, 101.1349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

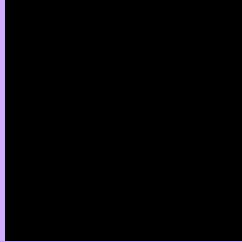
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.9074, 49.9011, 101.1349

Background



This preview shows how black text looks on a background with the XYZ color 58.9074, 49.9011, 101.1349.



This preview shows how white text looks on a background with the XYZ color 58.9074, 49.9011,

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

58.9074, 49.9011, 101.1349

Protanopia

51.3353, 50.1334, 101.5788

Deuteranopia

51.4972, 50.2722, 99.0848



Tritanopia

50.5647, 50.0403, 59.8170

Trichromacy



Original Color

58.9074, 49.9011, 101.1349



Protanomaly

53.6627, 49.8076, 101.3932



Deuteranomaly

53.8180, 49.9247, 99.7284

Tritanomaly

53.4036, 49.9987, 73.1657

Monochromacy



Original Color

58.9074, 49.9011, 101.1349



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

52.6949, 51.1930, 71.3939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9074, 49.9011, 101.1349 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(209, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 171, 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(209, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 171, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.9074, 49.9011, 101.1349 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(209, 171, 255) }
```


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

```
.border{ border-color:rgb(209, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 171,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9074, 49.9011, 101.1349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 171, 255) }
```

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

```
.background{ background-color: rgb(209,  
171, 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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