

Converting Colors

XYZ(59.0815, 49.7580,
101.0981)

Have a look what the booklet for
XYZ(59.0815, 49.7580, 101.0981)
contains.

XYZ(59.0031, 49.6711, 101.0854)	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(59.0031, 49.6711,
101.0854)**

Conversions

Conversions Part 1

Format	Color
Hex	D2AAFF
RGB	210, 170, 255
RGB Percent	82%, 67%, 100%
CMY	0.1765, 0.3333, 0.0000
CMYK	0.18, 0.33, 0.00, 0.00
HSL	268°, 100%, 83%
HSV	268°, 33%, 100%
XYZ	59.0031, 49.6711, 101.0854
YIQ	191.6500, -3.4450, 34.9150

Conversions

Conversions Part 2

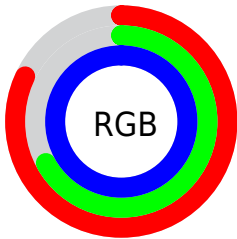
Format	Color
R _Y B	210, 170, 255
Decimal	13806335
CIE Lab	75.87, 30.55, -36.72
CIE LCh	76, 47.764, 309.764
Yxy	49.6711, 0.2813, 0.2368
Android (android.graphics.Color)	4291996415 (0xFFD2AAFF)
YUV	191.6500, 31.2316, 16.0930
Hunter-Lab	70.4777, 26.1020, -35.7046

Details

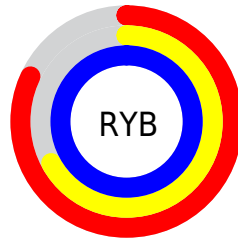
The XYZ color **59.0031, 49.6711, 101.0854** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.0409, 88.8697, 51.4416**, and the grayscale version is **49.7257, 52.3153, 56.9714**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **29.8808, 23.6698, 56.4199** is the 20% darker color. If you saturate the color by 10%, you get **50.9958, 39.1229, 99.4714**, and if you desaturate by 10%, it is **68.2648, 62.2445, 103.0242**.

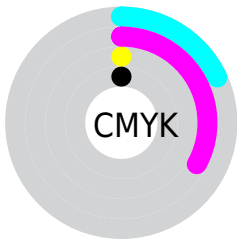
Distribution



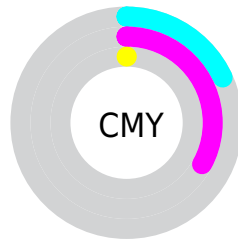
- Red (82%)
- Green (67%)
- Blue (100%)



- 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 59.0031, 49.6711, 101.0854 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 59.0031, 49.6711, 101.0854 by changing the saturation by 10% instead.

■ 59.0031, 49.6711,
101.0854

■ 59.0031, 49.6711,
101.0854

410.8073,
385.3783, 584.9434

■ 42.8620, 35.1521,
76.5854

■ 102.4968, 89.6874,
164.7128

■ 29.9709, 23.7801,
56.4031

130.5800,
115.9535, 204.6773

■ 19.9645, 15.1706,
40.1201

163.3748,
146.9041, 250.6337

■ 12.4773, 8.9392,
27.3177

201.2463,
182.9236, 303.0006

■ 7.1441, 4.7015,
17.5774

244.5599,
224.3963, 362.1965

■ 3.5995, 2.0732,
10.4807

293.6811,

■ 1.4782, 0.6495,

271.7068, 428.6398

5.6091

348.9751,
325.2393, 502.7493

■ 0.3109, 0.0000,
2.5440

■ 0.0000, 0.0000,
0.8633

■ 59.0031, 49.6711,
101.0854

■ 59.0031, 49.6711,
101.0854

■ 50.9958, 39.1229,
99.4714

■ 68.2648, 62.2445,
103.0242

■ 44.1765, 30.4823,
98.1631

■ 78.8334, 76.9401,
105.3037

■ 38.4791, 23.6283,
97.1404

■ 90.7639, 93.8556,
107.9399

■ 33.8283, 18.4230,
96.3808

■ 95.0500, 100.0000,
108.9000

■ 30.1379, 14.7073,
95.8581

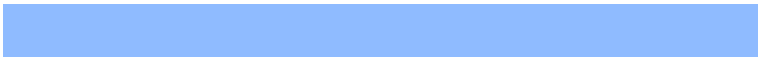
■ 27.3043, 12.2884,
95.5405

■ 25.7959, 11.2132,
95.4125

Harmonies

Analogous

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



50.1678, 49.6711, 118.0523



59.0031, 49.6711, 101.0854



65.1232, 49.6711, 72.8337

Triad

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



59.0031, 49.6711, 101.0854



53.3701, 49.6711, 19.9399



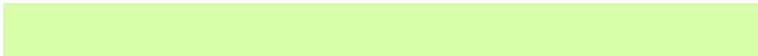
32.2964, 49.6711, 62.8124

Complementary

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



59.0031, 49.6711, 101.0854



71.0409, 88.8697, 51.4416

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.



32.9270, 49.6711, 38.8636



59.0031, 49.6711, 101.0854



44.3725, 49.6711, 18.7749

Square

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



59.0031, 49.6711, 101.0854



61.5986, 49.6711, 28.4363



37.1049, 49.6711, 24.5177



35.2585, 49.6711, 91.8032

Rectangle

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



59.0031, 49.6711, 101.0854



66.4385, 49.6711, 54.2854



37.1049, 49.6711, 24.5177



32.1047, 49.6711, 53.8819

Sweetspot

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



59.0046, 49.6731, 101.0857



82.6545, 82.3246, 106.1416



59.0144, 64.5383, 103.9545



17.3425, 17.1282, 22.6420



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.



59.0046, 49.6731, 101.0857



53.5288, 42.4201, 99.9744



72.6308, 56.6976, 101.7234



17.8159, 17.7968, 22.7461



13.6481, 5.9463, 49.8630



1.4537, 0.6434, 4.8608

Inverse Universe

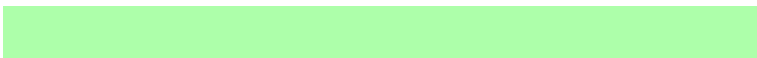
The Inverse Universe completely reimagines the original color for something new.



67.8814, 54.9174, 71.3134



63.8936, 48.5474, 65.0341



60.2137, 83.2882, 50.9349



18.4113, 18.1478, 20.7828



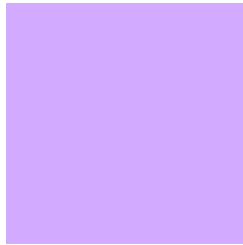
23.9100, 12.0533, 13.4423



2.3833, 1.1957, 1.5997

Previews

White Background



This preview shows how the XYZ color 59.0031, 49.6711, 101.0854 looks on a white background.

Color Contrast Check

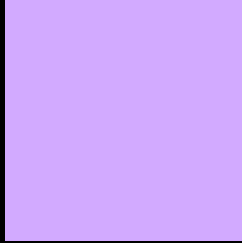
Large Text (above 18pt) WCAG AA × Fail

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 59.0031, 49.6711, 101.0854 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 59.0031, 49.6711, 101.0854

Background



This preview shows how black text looks on a background with the XYZ color 59.0031, 49.6711, 101.0854.



This preview shows how white text looks on a background with the XYZ color 59.0031, 49.6711,

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

59.0031, 49.6711, 101.0854

Protanopia

51.1248, 50.0249, 101.5689

Deuteranopia

51.0734, 49.7443, 99.0052



Tritanopia

50.5112, 49.7208, 59.1594

Trichromacy



Original Color

59.0031, 49.6711, 101.0854



Protanomaly

53.6627, 49.8076, 101.3932



Deuteranomaly

53.6169, 49.5224, 99.6614

Tritanomaly

53.3466, 49.6879, 72.4247

Monochromacy



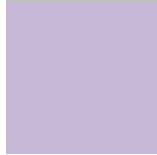
Original Color

59.0031, 49.6711, 101.0854



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

52.9594, 51.3294, 71.4063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0031, 49.6711, 101.0854 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, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 170, 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, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 170, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.0031, 49.6711, 101.0854 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, 170, 255) }
```


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

```
.border{ border-color:rgb(210, 170, 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, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 170, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 170, 255); box-shadow:4px 4px 4px 4px rgb(210, 170, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0031, 49.6711, 101.0854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 170, 255) }
```

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

```
.background{ background-color: rgb(210,  
170, 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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