

Converting Colors

XYZ(65.1383, 56.8014,
184.0797)

Have a look what the booklet for
XYZ(65.1383, 56.8014, 184.0797)
contains.

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Color

**XYZ(49.3845, 50.3875,
101.7307)**

Conversions

Conversions Part 1

Format	Color
Hex	99BDFF
RGB	153, 189, 255
RGB Percent	60%, 74%, 100%
CMY	0.4000, 0.2588, 0.0000
CMYK	0.40, 0.26, 0.00, 0.00
HSL	219°, 100%, 80%
HSV	219°, 40%, 100%
XYZ	49.3845, 50.3875, 101.7307
YIQ	185.7600, -42.6420, 12.8940

Conversions

Conversions Part 2

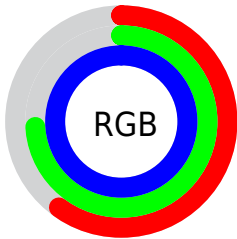
Format	Color
R _Y B	153, 180, 255
Decimal	10075647
CIE Lab	76.31, 4.09, -36.37
CIE LCh	76, 36.602, 276.418
Yxy	50.3875, 0.2451, 0.2501
Android (android.graphics.Color)	4288265727 (0xFF99BDFF)
YUV	185.7600, 34.1353, -28.7305
Hunter-Lab	70.9842, -0.0377, -35.2824

Details

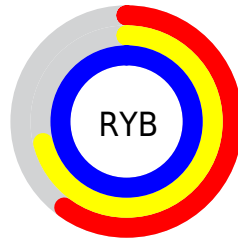
The XYZ color **49.3845, 50.3875, 101.7307** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.3221, 74.2239, 40.6539**, and the grayscale version is **46.3715, 48.7865, 53.1285**.

A 20% lighter version of the original color is **77.2807, 86.2265, 107.1780**, and **23.9270, 24.2269, 56.8413** is the 20% darker color. If you saturate the color by 10%, you get **41.7262, 41.4678, 100.4126**, and if you desaturate by 10%, it is **58.4780, 60.6485, 103.2320**.

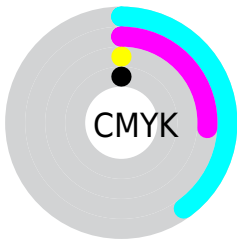
Distribution



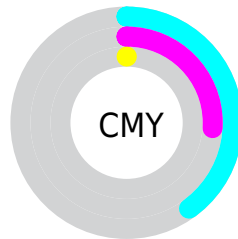
- Red (60%)
- Green (74%)
- Blue (100%)



- Red (60%)
- Yellow (71%)
- Blue (100%)



- Cyan (40%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3845, 50.3875, 101.7307 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 49.3845, 50.3875, 101.7307 by changing the saturation by 10% instead.

■ 49.3845, 50.3875,
101.7307

■ 49.3845, 50.3875,
101.7307

374.7460,
388.1794, 587.0213

■ 35.1404, 35.7214,
77.1218

■ 88.4595, 90.7487,
165.6061

■ 23.9381, 24.2191,
56.8407

■ 114.0212,
117.2127, 205.7097

■ 15.4122, 15.4962,
40.4688

144.0860,
148.3780, 251.8152

■ 9.1974, 9.1684,
27.5877

179.0194,
184.6291, 304.3413

■ 4.9283, 4.8512,
17.7788

219.1868,
226.3504, 363.7064

■ 2.2396, 2.1602,
10.6235

264.9534,

■ 0.7635, 0.6982,

273.9263, 430.3290

5.7033

316.6847,
327.7412, 504.6278

■ 0.0000, 0.0000,
2.5997

■ 0.0000, 0.0000,
0.8923

■ 49.3845, 50.3875,
101.7307

■ 49.3845, 50.3875,
101.7307

■ 41.7262, 41.4678,
100.4126

■ 58.4780, 60.6485,
103.2320

■ 35.4190, 33.8231,
99.2695

■ 69.0752, 72.3022,
104.9228

■ 30.3764, 27.3886,
98.2933

■ 81.2456, 85.4036,
106.8102

■ 26.4989, 22.0907,
97.4750

95.0500, 100.0000,
108.9000

■ 23.6695, 17.8453,
96.8047

■ 21.7065, 14.5329,
96.2688

■ 21.7062, 14.5324,
96.2687

Harmonies

Analogous

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



42.7964, 50.3875, 97.3811



49.3845, 50.3875, 101.7307



56.1748, 50.3875, 91.3089

Triad

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



49.3845, 50.3875, 101.7307



59.3345, 50.3875, 35.3198



36.7710, 50.3875, 41.0706

Complementary

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



49.3845, 50.3875, 101.7307



72.3221, 74.2239, 40.6539

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.



40.4659, 50.3875, 29.6925



49.3845, 50.3875, 101.7307



53.3764, 50.3875, 26.9701

Square

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



49.3845, 50.3875, 101.7307



62.2634, 50.3875, 50.7400



46.4295, 50.3875, 25.1896



35.9216, 50.3875, 59.2044

Rectangle

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



49.3845, 50.3875, 101.7307



59.7684, 50.3875, 78.5773



46.4295, 50.3875, 25.1896



37.7030, 50.3875, 36.4764

Sweetspot

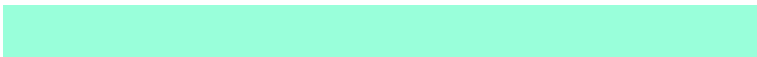
The Sweet Spot groups the original color and five complimentary colors.



49.3860, 50.3893, 101.7309



78.6802, 82.6626, 106.4163



61.5006, 83.3339, 78.9004



16.4900, 17.3172, 22.7234



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.



49.3860, 50.3893, 101.7309



43.1460, 43.1464, 100.6618



45.2948, 38.1764, 99.5892



17.5275, 18.4265, 22.8828



11.4685, 7.8467, 50.3447



1.2149, 0.9604, 4.9346

Inverse Universe

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



61.8177, 47.7183, 54.0983



57.3896, 41.0524, 45.8699



77.9227, 92.5914, 43.9040



18.2741, 18.0930, 20.0607



22.5770, 11.5201, 6.4229



2.2478, 1.1415, 0.8865

Previews

White Background



This preview shows how the XYZ color 49.3845, 50.3875, 101.7307 looks on a white background.

Color Contrast Check

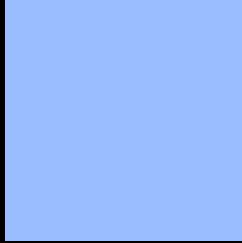
Large Text (above 18pt) WCAG AA × Fail

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 49.3845, 50.3875, 101.7307 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

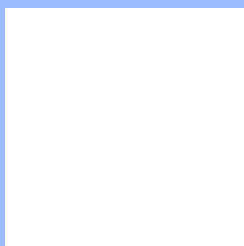
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3845, 50.3875, 101.7307

Background



This preview shows how black text looks on a background with the XYZ color 49.3845, 50.3875, 101.7307.



This preview shows how white text looks on a background with the XYZ color 49.3845, 50.3875,

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

49.3845, 50.3875, 101.7307

Protanopia

51.2818, 50.1612, 99.0747

Deuteranopia

51.5474, 50.2428, 101.5887



Tritanopia

43.1318, 50.4874, 70.4225

Trichromacy



Original Color

49.3845, 50.3875, 101.7307

Protanomaly

50.3928, 49.9962, 99.9228

Deuteranomaly

50.7132, 50.1243, 101.6098

Tritanomaly

45.1494, 50.2960, 80.7273

Monochromacy



Original Color

49.3845, 50.3875, 101.7307

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.9838, 49.2425, 68.6565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3845, 50.3875, 101.7307 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(153, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 189, 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(153, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.3845, 50.3875, 101.7307 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(153, 189, 255) }
```


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

```
.border{ border-color:rgb(153, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3845, 50.3875, 101.7307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 189, 255) }
```

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

```
.background{ background-color: rgb(153,  
189, 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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