

Converting Colors

XYZ(49.0936, 49.8058,
101.6337)

Have a look what the booklet for
XYZ(49.0936, 49.8058, 101.6337)
contains.

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Color

**XYZ(49.1701, 49.9587,
101.6592)**

Conversions

Conversions Part 1

Format	Color
Hex	99BCFF
RGB	153, 188, 255
RGB Percent	60%, 74%, 100%
CMY	0.4000, 0.2627, 0.0000
CMYK	0.40, 0.26, 0.00, 0.00
HSL	219°, 100%, 80%
HSV	219°, 40%, 100%
XYZ	49.1701, 49.9587, 101.6592
YIQ	185.1730, -42.3670, 13.4170

Conversions

Conversions Part 2

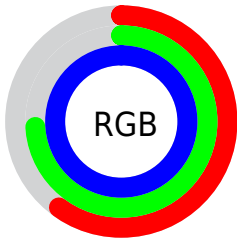
Format	Color
RYB	153, 179, 255
Decimal	10075391
CIELab	76.04, 4.64, -36.78
CIElCh	76, 37.071, 277.191
Yxy	49.9587, 0.2449, 0.2488
Android (android.graphics.Color)	4288265471 (0xFF99BCFF)
YUV	185.1730, 34.4247, -28.2157
Hunter-Lab	70.6815, 0.4823, -35.7981

Details

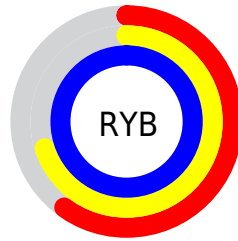
The XYZ color **49.1701, 49.9587, 101.6592** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.5838, 74.7473, 40.7411**, and the grayscale version is **46.0430, 48.4409, 52.7521**.

A 20% lighter version of the original color is **76.9790, 85.6230, 107.0774**, and **23.7868, 23.9465, 56.7945** is the 20% darker color. If you saturate the color by 10%, you get **41.4885, 40.9924, 100.3334**, and if you desaturate by 10%, it is **58.2984, 60.2894, 103.1721**.

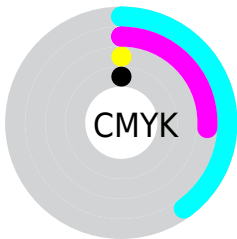
Distribution



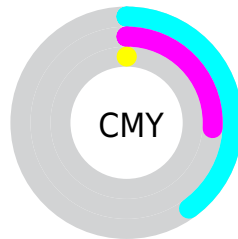
- Red (60%)
- Green (74%)
- Blue (100%)



- Red (60%)
- Yellow (70%)
- 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 49.1701, 49.9587, 101.6592 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 49.1701, 49.9587, 101.6592 by changing the saturation by 10% instead.

■ 49.1701, 49.9587,
101.6592

■ 49.1701, 49.9587,
101.6592

373.9174,
386.5044, 586.7913

■ 34.9695, 35.3806,
77.0623

■ 88.1432, 90.1137,
165.5072

■ 23.8058, 23.9562,
56.7922

■ 113.6465,
116.4593, 205.5953

■ 15.3136, 15.3011,
40.4302

143.6481,
147.4963, 251.6844

■ 9.1275, 9.0310,
27.5578

178.5133,
183.6089, 304.1928

■ 4.8822, 4.7614,
17.7564

218.6074,
225.1817, 363.5392

■ 2.2124, 2.1080,
10.6076

264.2959,

■ 0.7492, 0.6691,

272.5989, 430.1420

5.6928

315.9442,
326.2450, 504.4199

■ 0.0000, 0.0000,
2.5935

■ 0.0000, 0.0000,
0.8891

■ 49.1701, 49.9587,
101.6592

■ 49.1701, 49.9587,
101.6592

■ 41.4885, 40.9924,
100.3334

■ 58.2984, 60.2894,
103.1721

■ 35.1688, 33.3227,
99.1861

■ 68.9426, 72.0370,
104.8786

■ 30.1238, 26.8834,
98.2091

■ 81.1727, 85.2577,
106.7859

■ 26.2532, 21.5994,
97.3932

95.0500, 100.0000,
108.9000

■ 23.4393, 17.3848,
96.7280

■ 21.4991, 14.1182,
96.1997

■ 21.4988, 14.1176,
96.1996

Harmonies

Analogous

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



42.5090, 49.9587, 97.6457



49.1701, 49.9587, 101.6592



55.9932, 49.9587, 90.7654

Triad

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



49.1701, 49.9587, 101.6592



58.8965, 49.9587, 34.4542



36.2410, 49.9587, 40.9169

Complementary

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



49.1701, 49.9587, 101.6592



72.5838, 74.7473, 40.7411

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.



39.8842, 49.9587, 29.3296



49.1701, 49.9587, 101.6592



52.8332, 49.9587, 26.2805

Square

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



49.1701, 49.9587, 101.6592



61.9521, 49.9587, 49.7626



45.8374, 49.9587, 24.6642



35.4648, 49.9587, 59.3096

Rectangle

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



49.1701, 49.9587, 101.6592



59.5731, 49.9587, 77.7759



45.8374, 49.9587, 24.6642



37.1525, 49.9587, 36.2457

Sweetspot

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



49.1716, 49.9605, 101.6595



78.5943, 82.4907, 106.3877



61.7237, 83.4231, 80.0753



16.4699, 17.2769, 22.7167



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.



49.1716, 49.9605, 101.6595



42.9121, 42.6785, 100.5838



45.6553, 38.3622, 99.6061



17.5126, 18.3967, 22.8779



11.3579, 7.6254, 50.3078



1.2028, 0.9364, 4.9306

Inverse Universe

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



61.7094, 47.6750, 53.5284



57.2715, 41.0052, 45.2480



77.3438, 92.2930, 43.8769



18.2666, 18.0900, 20.0211



22.5211, 11.4977, 6.1288



2.2417, 1.1391, 0.8545

Previews

White Background



This preview shows how the XYZ color 49.1701, 49.9587, 101.6592 looks on a white background.

Color Contrast Check

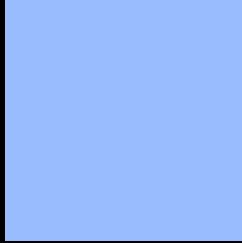
Large Text (above 18pt) WCAG AA × Fail

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 49.1701, 49.9587, 101.6592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

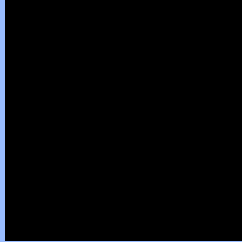
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

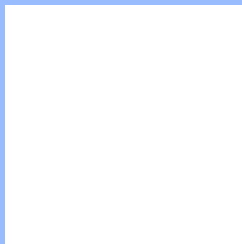
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1701, 49.9587, 101.6592

Background



This preview shows how black text looks on a background with the XYZ color 49.1701, 49.9587, 101.6592.



This preview shows how white text looks on a background with the XYZ color 49.1701, 49.9587,

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

49.1701, 49.9587, 101.6592

Protanopia

51.0681, 50.0510, 99.0647

Deuteranopia

51.1248, 50.0249, 101.5689



Tritanopia

42.7789, 49.9841, 69.6806

Trichromacy



Original Color

49.1701, 49.9587, 101.6592

Protanomaly

50.3928, 49.9962, 99.9228

Deuteranomaly

50.3068, 49.9149, 101.5908

Tritanomaly

44.9276, 49.8524, 80.6533

Monochromacy



Original Color

49.1701, 49.9587, 101.6592

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.4253, 48.6552, 67.9173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1701, 49.9587, 101.6592 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, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 188, 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, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1701, 49.9587, 101.6592 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, 188, 255) }
```


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

```
.border{ border-color:rgb(153, 188, 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, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1701, 49.9587, 101.6592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 188, 255) }
```

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

```
.background{ background-color: rgb(153,  
188, 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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