

Converting Colors

XYZ(49.9248, 51.4682,
101.9108)

Have a look what the booklet for
XYZ(49.9248, 51.4682, 101.9108)
contains.

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Color

**XYZ(49.8177, 51.2539,
101.8751)**

Conversions

Conversions Part 1

Format	Color
Hex	99BFFF
RGB	153, 191, 255
RGB Percent	60%, 75%, 100%
CMY	0.4000, 0.2510, 0.0000
CMYK	0.40, 0.25, 0.00, 0.00
HSL	218°, 100%, 80%
HSV	218°, 40%, 100%
XYZ	49.8177, 51.2539, 101.8751
YIQ	186.9340, -43.1920, 11.8480

Conversions

Conversions Part 2

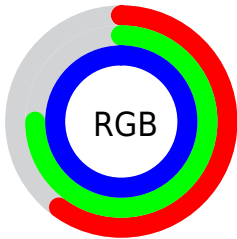
Format	Color
R_{YB}	153, 181, 255
Decimal	10076159
CIE _{Lab}	76.83, 3.00, -35.56
CIE _{LCh}	77, 35.684, 274.816
Yxy	51.2539, 0.2455, 0.2525
Android (android.graphics.Color)	4288266239 (0xFF99BFFF)
YUV	186.9340, 33.5565, -29.7601
Hunter-Lab	71.5918, -1.0752, -34.2553

Details

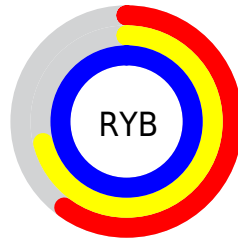
The XYZ color **49.8177, 51.2539, 101.8751** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.8034, 73.1865, 40.4810**, and the grayscale version is **47.0326, 49.4819, 53.8858**.

A 20% lighter version of the original color is **77.8891, 87.4432, 107.3808**, and **24.2113, 24.7956, 56.9360** is the 20% darker color. If you saturate the color by 10%, you get **42.2084, 42.4321, 100.5733**, and if you desaturate by 10%, it is **58.8397, 61.3720, 103.3525**.

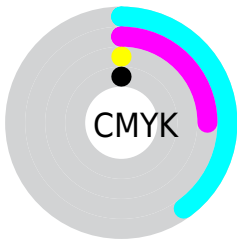
Distribution



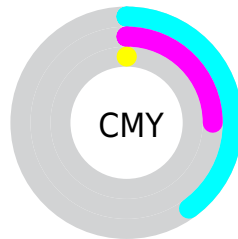
- Red (60%)
- Green (75%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8177, 51.2539, 101.8751 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 49.8177, 51.2539, 101.8751 by changing the saturation by 10% instead.

■ 49.8177, 51.2539,
101.8751

■ 49.8177, 51.2539,
101.8751

376.4164,
391.5494, 587.4858

■ 35.4858, 36.4107,
77.2418

■ 89.0982, 92.0300,
165.8059

■ 24.2056, 24.7516,
56.9386

■ 114.7774,
118.7316, 205.9406

■ 15.6117, 15.8921,
40.5469

144.9698,
150.1549, 252.0794

■ 9.3389, 9.4478,
27.6482

180.0407,
186.6842, 304.6410

■ 5.0218, 5.0344,
17.8239

220.3554,
228.7039, 364.0439

■ 2.2949, 2.2675,
10.6555

266.2794,

■ 0.7921, 0.7564,

276.5984, 430.7067

5.7245

318.1779,
330.7521, 505.0478

■ 0.0000, 0.0000,
2.6122

■ 0.0000, 0.0000,
0.8987

■ 49.8177, 51.2539,
101.8751

■ 49.8177, 51.2539,
101.8751

■ 42.2084, 42.4321,
100.5733

■ 58.8397, 61.3720,
103.3525

■ 35.9287, 34.8425,
99.4394

■ 69.3416, 72.8350,
105.0116

■ 30.8937, 28.4232,
98.4657

■ 81.3918, 85.6959,
106.8589

■ 27.0053, 23.1036,
97.6438

■ 95.0500, 100.0000,
108.9000

■ 24.1483, 18.8028,
96.9643

■ 22.1426, 15.4051,
96.4142

■ 22.1423, 15.4045,
96.4141

Harmonies

Analogous

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



43.3772, 51.2539, 96.8572



49.8177, 51.2539, 101.8751



56.5417, 51.2539, 92.4016

Triad

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



49.8177, 51.2539, 101.8751



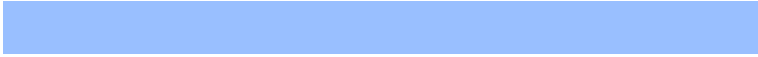
60.2177, 51.2539, 37.0936



37.8474, 51.2539, 41.3830

Complementary

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



49.8177, 51.2539, 101.8751



71.8034, 73.1865, 40.4810

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.



41.6467, 51.2539, 30.4297



49.8177, 51.2539, 101.8751



54.4743, 51.2539, 28.3857

Square

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



49.8177, 51.2539, 101.8751



62.8905, 51.2539, 52.7314



47.6293, 51.2539, 26.2641



36.8482, 51.2539, 58.9995

Rectangle

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



49.8177, 51.2539, 101.8751



60.1624, 51.2539, 80.1950



47.6293, 51.2539, 26.2641



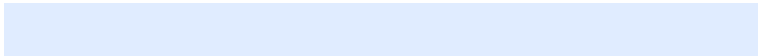
38.8209, 51.2539, 36.9443

Sweetspot

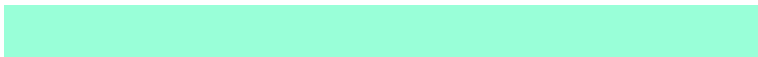
The Sweet Spot groups the original color and five complimentary colors.



49.8193, 51.2558, 101.8753



78.8525, 83.0071, 106.4737



61.2797, 83.2455, 77.7374



16.5304, 17.3980, 22.7369



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.



49.8193, 51.2558, 101.8753



43.6201, 44.0946, 100.8198



44.9391, 37.9931, 99.5726



17.5573, 18.4863, 22.8928



11.7007, 8.3110, 50.4221



1.2398, 1.0103, 4.9429

Inverse Universe

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



62.0363, 47.8057, 55.2498



57.6289, 41.1481, 47.1300



78.5070, 92.8926, 43.9313



18.2892, 18.0990, 20.1401



22.6942, 11.5670, 7.0400



2.2604, 1.1465, 0.9528

Previews

White Background



This preview shows how the XYZ color 49.8177, 51.2539, 101.8751 looks on a white background.

Color Contrast Check

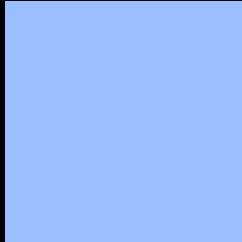
Large Text (above 18pt) WCAG AA × Fail

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 49.8177, 51.2539, 101.8751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

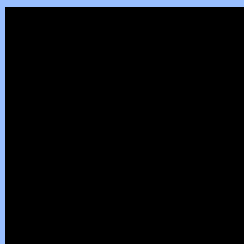
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

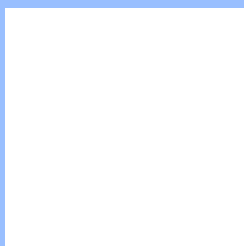
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8177, 51.2539, 101.8751

Background



This preview shows how black text looks on a background with the XYZ color 49.8177, 51.2539, 101.8751.



This preview shows how white text looks on a background with the XYZ color 49.8177, 51.2539,

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

49.8177, 51.2539, 101.8751

Protanopia

52.1356, 51.2268, 99.2354

Deuteranopia

52.3979, 51.3067, 101.7493



Tritanopia

43.6594, 51.0828, 71.1772

Trichromacy



Original Color

49.8177, 51.2539, 101.8751

Protanomaly

51.0227, 50.9508, 100.0738

Deuteranomaly

51.3431, 51.0790, 101.7609

Tritanomaly

45.6906, 50.8904, 81.5434

Monochromacy



Original Color

49.8177, 51.2539, 101.8751

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.5461, 49.8339, 69.4003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8177, 51.2539, 101.8751 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, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 191, 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, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 191, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.8177, 51.2539, 101.8751 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, 191, 255) }
```


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

```
.border{ border-color:rgb(153, 191, 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, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 191,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8177, 51.2539, 101.8751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 191, 255) }
```

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

```
.background{ background-color: rgb(153,  
191, 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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