

Converting Colors

XYZ(49.8330, 51.8397,
101.9873)

Have a look what the booklet for
XYZ(49.8330, 51.8397, 101.9873)
contains.

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Color

**XYZ(49.8825, 51.9392,
102.0039)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 97C1FF |
| RGB | 151, 193, 255 |
| RGB Percent | 59%, 76%, 100% |
| CMY | 0.4078, 0.2431, 0.0000 |
| CMYK | 0.41, 0.24, 0.00, 0.00 |
| HSL | 216°, 100%, 80% |
| HSV | 216°, 41%, 100% |
| XYZ | 49.8825, 51.9392, 102.0039 |
| YIQ | 187.5100, -44.9340, 10.3780 |

Conversions

Conversions Part 2

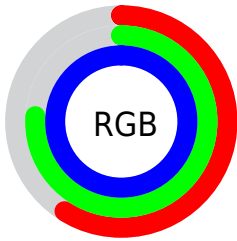
| Format | Color |
|-------------------------------------|--|
| RYB | 151, 181, 255 |
| Decimal | 9945599 |
| CIELab | 77.24, 1.40, -34.93 |
| CIElCh | 77, 34.958, 272.287 |
| Yxy | 51.9392, 0.2447, 0.2548 |
| Android (android.graphics.Color) | 4288135679 (0xFF97C1FF) |
| YUV | 187.5100, 33.2726, -32.0193 |
| Hunter-Lab | 72.0689, -2.5716, -33.4689 |

Details

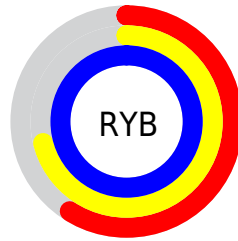
The XYZ color **49.8825, 51.9392, 102.0039** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.6211, 71.0840, 39.2787**, and the grayscale version is **47.3595, 49.8259, 54.2604**.

A 20% lighter version of the original color is **77.9381, 88.3813, 107.5593**, and **24.2904, 25.2663, 57.0227** is the 20% darker color. If you saturate the color by 10%, you get **42.4622, 43.3798, 100.7429**, and if you desaturate by 10%, it is **58.6748, 61.7209, 103.4286**.

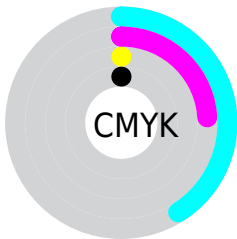
Distribution



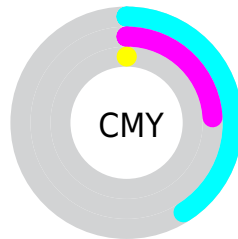
- Red (59%)
- Green (76%)
- Blue (100%)



- Red (59%)
- Yellow (71%)
- Blue (100%)



- Cyan (41%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8825, 51.9392, 102.0039 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 49.8825, 51.9392, 102.0039 by changing the saturation by 10% instead.

■ 49.8825, 51.9392,
102.0039

■ 49.8825, 51.9392,
102.0039

376.6659,
394.2018, 587.8999

■ 35.5375, 36.9566,
77.3489

■ 89.1936, 93.0416,
165.9841

■ 24.2456, 25.1739,
57.0260

■ 114.8904,
119.9301, 206.1465

■ 15.6417, 16.2067,
40.6166

145.1018,
151.5562, 252.3150

■ 9.3602, 9.6705,
27.7022

180.1933,
188.3040, 304.9083

■ 5.0358, 5.1810,
17.8642

220.5300,
230.5581, 364.3449

■ 2.3033, 2.3539,
10.6841

266.4774,

■ 0.7963, 0.8020,

278.7029, 431.0434

5.7434

318.4009,
333.1226, 505.4222

■ 0.0000, 0.0000,
2.6234

■ 0.0000, 0.0000,
0.9045

■ 49.8825, 51.9392,
102.0039

■ 49.8825, 51.9392,
102.0039

■ 42.4622, 43.3798,
100.7429

■ 58.6748, 61.7209,
103.4286

■ 36.3322, 35.9819,
99.6380

■ 68.9050, 72.7703,
105.0221

■ 31.4087, 29.6872,
98.6825

■ 80.6402, 85.1373,
106.7907

■ 27.5947, 24.4287,
97.8686

■ 93.9416, 98.8671,
108.7397

■ 24.7756, 20.1293,
97.1873

95.0500, 100.0000,
108.9000

■ 22.8984, 16.9167,
96.6661

Harmonies

Analogous

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



43.6153, 51.9392, 95.9028



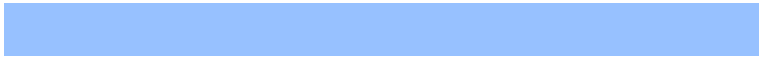
49.8825, 51.9392, 102.0039



56.5720, 51.9392, 93.8244

Triad

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



49.8825, 51.9392, 102.0039



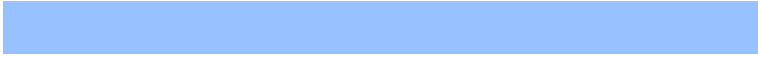
61.0767, 51.9392, 39.0473



38.8185, 51.9392, 41.0733

Complementary

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



49.8825, 51.9392, 102.0039



70.6211, 71.0840, 39.2787

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.



42.8006, 51.9392, 30.7474



49.8825, 51.9392, 102.0039



55.6026, 51.9392, 29.7771

Square

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



49.8825, 51.9392, 102.0039



63.3888, 51.9392, 55.0935



48.8544, 51.9392, 27.1200



37.5817, 51.9392, 58.0380

Rectangle

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



49.8825, 51.9392, 102.0039



60.2742, 51.9392, 82.2542



48.8544, 51.9392, 27.1200



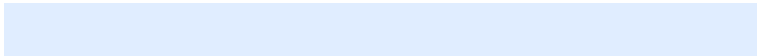
39.8615, 51.9392, 36.8549

Sweetspot

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



49.8841, 51.9411, 102.0042



79.1287, 83.5595, 106.5658



60.3653, 82.8366, 74.8760



16.5952, 17.5276, 22.7585



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.



49.8841, 51.9411, 102.0042



43.6881, 44.8189, 100.9560



43.5490, 36.7946, 99.4145



17.6052, 18.5820, 22.9087



12.1019, 9.1134, 50.5558



1.2821, 1.0949, 4.9570

Inverse Universe

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



61.9334, 47.2452, 56.3089



57.5196, 40.5547, 48.2495



79.4695, 93.4078, 43.1213



18.3134, 18.1087, 20.2673



22.8967, 11.6480, 8.1064



2.2817, 1.1551, 1.0651

Previews

White Background



This preview shows how the XYZ color 49.8825, 51.9392, 102.0039 looks on a white background.

Color Contrast Check

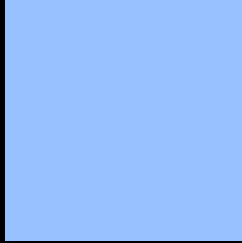
Large Text (above 18pt) WCAG AA × Fail

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 49.8825, 51.9392, 102.0039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

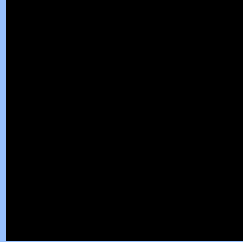
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

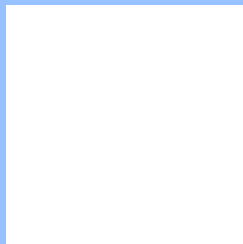
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8825, 51.9392, 102.0039

Background



This preview shows how black text looks on a background with the XYZ color 49.8825, 51.9392, 102.0039.



This preview shows how white text looks on a background with the XYZ color 49.8825, 51.9392,

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

49.8825, 51.9392, 102.0039

Protanopia

52.6294, 51.8157, 98.4944

Deuteranopia

53.0465, 51.9571, 101.8406



Tritanopia

44.0335, 51.9291, 72.6683

Trichromacy



Original Color

49.8825, 51.9392, 102.0039

Protanomaly

51.5012, 51.8545, 99.3900

Deuteranomaly

51.7733, 51.9394, 101.9043

Tritanomaly

45.9262, 51.6654, 82.4148

Monochromacy



Original Color

49.8825, 51.9392, 102.0039

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.9763, 50.6943, 69.5437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8825, 51.9392, 102.0039 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(151, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 193, 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(151, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 193, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.8825, 51.9392, 102.0039 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(151, 193, 255) }
```


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

```
.border{ border-color:rgb(151, 193, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 193,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8825, 51.9392, 102.0039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 193, 255) }
```

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

```
.background{ background-color: rgb(151,  
193, 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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