

Converting Colors

XYZ(49.0163, 50.8064,
100.9770)

Have a look what the booklet for
XYZ(49.0163, 50.8064, 100.9770)
contains.

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Color

**XYZ(49.0979, 50.9014,
101.0031)**

Conversions

Conversions Part 1

Format	Color
Hex	96BFFE
RGB	150, 191, 254
RGB Percent	59%, 75%, 100%
CMY	0.4117, 0.2510, 0.0039
CMYK	0.41, 0.25, 0.00, 0.00
HSL	216°, 98%, 79%
HSV	216°, 41%, 100%
XYZ	49.0979, 50.9014, 101.0031
YIQ	185.9230, -44.6590, 10.9010

Conversions

Conversions Part 2

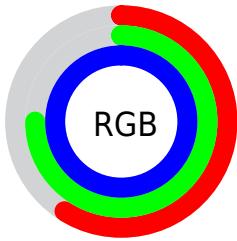
Format	Color
R _Y B	150, 179, 254
Decimal	9879550
CIE Lab	76.62, 1.96, -35.37
CIE LCh	77, 35.420, 273.179
Yxy	50.9014, 0.2443, 0.2532
Android (android.graphics.Color)	4288069630 (0xFF96BFFE)
YUV	185.9230, 33.5620, -31.5045
Hunter-Lab	71.3452, -2.0151, -33.9949

Details

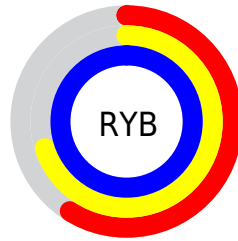
The XYZ color **49.0979, 50.9014, 101.0031** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.1738, 70.8630, 38.8356**, and the grayscale version is **46.4665, 48.8864, 53.2373**.

A 20% lighter version of the original color is **77.0429, 87.0069, 107.3412**, and **23.7826, 24.5879, 56.3158** is the 20% darker color. If you saturate the color by 10%, you get **41.7397, 42.3866, 99.7483**, and if you desaturate by 10%, it is **57.8251, 60.6473, 102.4252**.

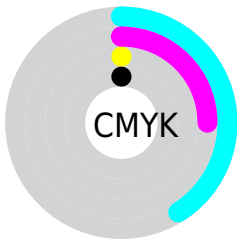
Distribution



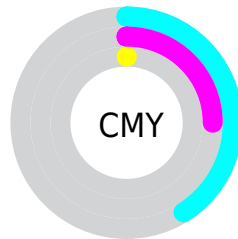
- Red (59%)
- Green (75%)
- Blue (100%)



- Red (59%)
- Yellow (70%)
- Blue (100%)



- Cyan (41%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0979, 50.9014, 101.0031 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 49.0979, 50.9014, 101.0031 by changing the saturation by 10% instead.

■ 49.0979, 50.9014,
101.0031

■ 49.0979, 50.9014,
101.0031

373.6382,
390.1806, 584.6781

■ 34.9120, 36.1301,
76.5170

■ 88.0367, 91.5090,
164.5989

■ 23.7613, 24.5347,
56.3473

■ 113.5203,
118.1142, 204.5456

■ 15.2804, 15.7308,
40.0756

143.5005,
149.4327, 250.4830

■ 9.1040, 9.3338,
27.2833

178.3427,
185.8491, 302.8295

■ 4.8667, 4.9596,
17.5518

218.4122,
227.7477, 362.0037

■ 2.2032, 2.2236,
10.4626

264.0744,

■ 0.7444, 0.7328,

275.5128, 428.4242

5.5971

315.6946,
329.5290, 502.5095

■ 0.0000, 0.0000,
2.5369

■ 0.0000, 0.0000,
0.8596

■ 49.0979, 50.9014,
101.0031

■ 49.0979, 50.9014,
101.0031

■ 41.7397, 42.3866,
99.7483

■ 57.8251, 60.6473,
102.4252

■ 35.6682, 35.0414,
98.6506

■ 67.9865, 71.6702,
104.0173

■ 30.8000, 28.8069,
97.7038

■ 79.6494, 84.0206,
105.7864

■ 27.0382, 23.6152,
96.8999

■ 92.8749, 97.7442,
107.7383

■ 24.2682, 19.3885,
96.2301

94.8896, 99.9358,
108.0551

■ 22.4597, 16.2960,
95.7285

Harmonies

Analogous

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



42.7994, 50.9014, 95.2800



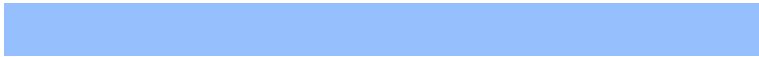
49.0979, 50.9014, 101.0031



55.7752, 50.9014, 92.3750

Triad

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



49.0979, 50.9014, 101.0031



59.9783, 50.9014, 37.5910



37.7741, 50.9014, 40.3925

Complementary

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



49.0979, 50.9014, 101.0031



70.1738, 70.8630, 38.8356

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.



41.6697, 50.9014, 29.9316



49.0979, 50.9014, 101.0031



54.4263, 50.9014, 28.5957

Square

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



49.0979, 50.9014, 101.0031



62.4104, 50.9014, 53.4028



47.6696, 50.9014, 26.1530



36.6281, 50.9014, 57.4934

Rectangle

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



49.0979, 50.9014, 101.0031



59.4382, 50.9014, 80.5940



47.6696, 50.9014, 26.1530



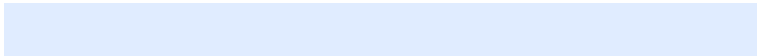
38.7866, 50.9014, 36.1283

Sweetspot

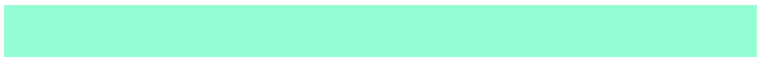
The Sweet Spot groups the original color and five complimentary colors.



49.0996, 50.9033, 101.0043



79.0437, 83.3894, 106.5375



59.9552, 82.1426, 75.2491



16.5753, 17.4877, 22.7518



0.0000, 0.0000, 0.0000



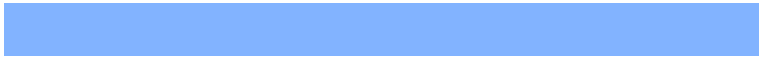
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.0996, 50.9033, 101.0043



43.4457, 44.3340, 100.8752



43.3749, 36.4854, 98.5231



17.5905, 18.5525, 22.9038



11.9746, 8.8587, 50.5134



1.2688, 1.0683, 4.9526

Inverse Universe

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



61.1849, 46.6470, 55.0710



57.3973, 40.5058, 47.6051



78.1176, 92.2483, 42.5447



18.3059, 18.1057, 20.2282



22.8324, 11.6223, 7.7679



2.2750, 1.1524, 1.0297

Previews

White Background



This preview shows how the XYZ color 49.0979, 50.9014, 101.0031 looks on a white background.

Color Contrast Check

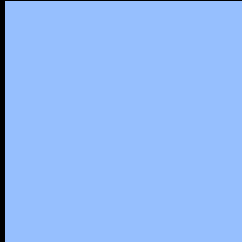
Large Text (above 18pt) WCAG AA × Fail

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 49.0979, 50.9014, 101.0031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

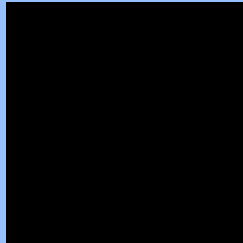
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

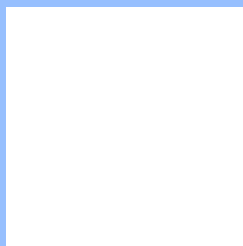
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.0979, 50.9014, 101.0031

Background



This preview shows how black text looks on a background with the XYZ color 49.0979, 50.9014, 101.0031.



This preview shows how white text looks on a background with the XYZ color 49.0979, 50.9014,

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

49.0979, 50.9014, 101.0031

Protanopia

51.6088, 50.6779, 97.5042

Deuteranopia

51.9711, 50.7728, 101.6687



Tritanopia

43.1469, 50.8187, 71.1532

Trichromacy



Original Color

49.0979, 50.9014, 101.0031

Protanomaly

50.5001, 50.7180, 98.3947

Deuteranomaly

50.9335, 50.8678, 101.7417

Tritanomaly

45.1596, 50.6166, 81.5186

Monochromacy



Original Color

49.0979, 50.9014, 101.0031

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.9747, 49.5538, 68.7170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0979, 50.9014, 101.0031 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(150, 191, 254)` looks like.

```
.text, #text, p{  
    color:rgb(150, 191, 254)  
}
```

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(150, 191, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 191, 254) }
```

Border

The CSS property to change the border of an element to XYZ 49.0979, 50.9014, 101.0031 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(150, 191, 254) }
```


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

```
.border{ border-color:rgb(150, 191, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 191, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 191, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 191, 254);  
box-shadow:4px 4px 4px 4px rgb(150, 191,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0979, 50.9014, 101.0031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 191, 254) }
```

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

```
.background{ background-color: rgb(150,  
191, 254) }
```

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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