

Converting Colors

XYZ(49.1159, 51.3229,
101.9254)

Have a look what the booklet for
XYZ(49.1159, 51.3229, 101.9254)
contains.

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Color

**XYZ(49.1124, 51.2152,
101.9048)**

Conversions

Conversions Part 1

Format	Color
Hex	94C0FF
RGB	148, 192, 255
RGB Percent	58%, 75%, 100%
CMY	0.4196, 0.2470, 0.0000
CMYK	0.42, 0.25, 0.00, 0.00
HSL	215°, 100%, 79%
HSV	215°, 42%, 100%
XYZ	49.1124, 51.2152, 101.9048
YIQ	186.0260, -46.4470, 10.2650

Conversions

Conversions Part 2

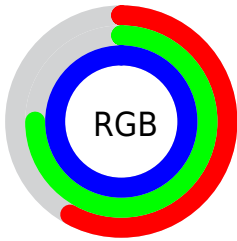
Format	Color
R _Y B	148, 179, 255
Decimal	9748735
CIE Lab	76.81, 1.19, -35.62
CIE LCh	77, 35.637, 271.906
Yxy	51.2152, 0.2429, 0.2532
Android (android.graphics.Color)	4287938815 (0xFF94C0FF)
YUV	186.0260, 34.0042, -33.3488
Hunter-Lab	71.5648, -2.7401, -34.3307

Details

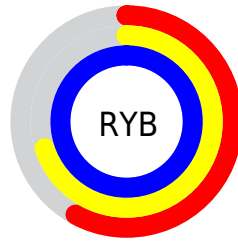
The XYZ color **49.1124, 51.2152, 101.9048** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.8803, 69.9875, 37.8448**, and the grayscale version is **46.5223, 48.9451, 53.3012**.

A 20% lighter version of the original color is **76.7942, 87.3339, 107.4174**, and **23.8393, 24.8178, 56.9599** is the 20% darker color. If you saturate the color by 10%, you get **41.8677, 42.8346, 100.6690**, and if you desaturate by 10%, it is **57.7124, 60.7959, 103.3007**.

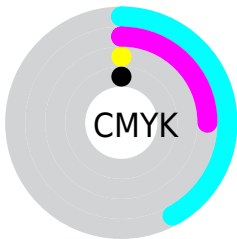
Distribution



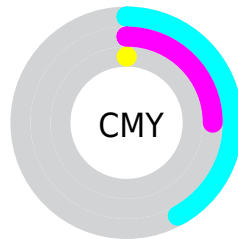
- Red (58%)
- Green (75%)
- Blue (100%)



- Red (58%)
- Yellow (70%)
- Blue (100%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1124, 51.2152, 101.9048 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 49.1124, 51.2152, 101.9048 by changing the saturation by 10% instead.

■ 49.1124, 51.2152,
101.9048

■ 49.1124, 51.2152,
101.9048

373.6943,
391.3993, 587.5813

■ 34.9236, 36.3799,
77.2665

■ 88.0581, 91.9728,
165.8470

■ 23.7702, 24.7277,
56.9588

■ 113.5456,
118.6639, 205.9880

■ 15.2871, 15.8743,
40.5630

143.5301,
150.0757, 252.1337

■ 9.1087, 9.4353,
27.6607

178.3769,
186.5926, 304.7027

■ 4.8699, 5.0262,
17.8332

218.4514,
228.5990, 364.1133

■ 2.2051, 2.2626,
10.6621

264.1189,

■ 0.7454, 0.7538,

276.4794, 430.7843

5.7288

315.7447,
330.6180, 505.1341

■ 0.0000, 0.0000,
2.6148

■ 0.0000, 0.0000,
0.9001

■ 49.1124, 51.2152,
101.9048

■ 49.1124, 51.2152,
101.9048

■ 41.8677, 42.8346,
100.6690

■ 57.7124, 60.7959,
103.3007

■ 35.8963, 35.5937,
99.5861

■ 67.7340, 71.6218,
104.8622

■ 31.1134, 29.4342,
98.6493

■ 79.2444, 83.7425,
106.5950

■ 27.4211, 24.2893,
97.8508

■ 92.3049, 97.2027,
108.5047

■ 24.7024, 20.0812,
97.1818

95.0500, 100.0000,
108.9000

■ 23.0874, 17.2948,
96.7291

Harmonies

Analogous

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



42.8056, 51.2152, 95.5125



49.1124, 51.2152, 101.9048



55.8830, 51.2152, 93.7498

Triad

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



49.1124, 51.2152, 101.9048



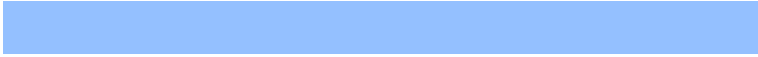
60.5785, 51.2152, 38.3001



38.0804, 51.2152, 39.9950

Complementary

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



49.1124, 51.2152, 101.9048



69.8803, 69.9875, 37.8448

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.



42.1215, 51.2152, 29.7389



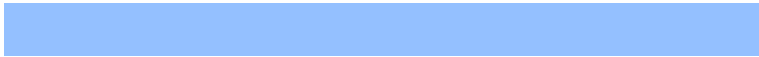
49.1124, 51.2152, 101.9048



55.0655, 51.2152, 28.9316

Square

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



49.1124, 51.2152, 101.9048



62.8725, 51.2152, 54.5348



48.2472, 51.2152, 26.2011



36.7997, 51.2152, 57.0128

Rectangle

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



49.1124, 51.2152, 101.9048



59.6513, 51.2152, 82.0540



48.2472, 51.2152, 26.2011



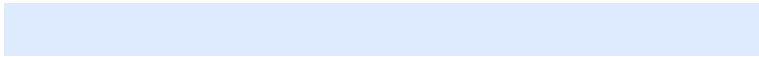
39.1413, 51.2152, 35.7920

Sweetspot

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



49.1140, 51.2170, 101.9050



77.9748, 82.4189, 106.4065



59.6587, 82.4904, 74.0245



16.1255, 17.0506, 22.6911



0.0000, 0.0000, 0.0000



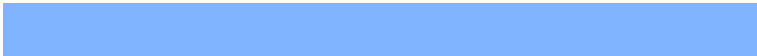
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1140, 51.2170, 101.9050



43.1843, 44.3850, 100.8988



42.5299, 35.5615, 99.2302



17.6165, 18.6046, 22.9125



12.2020, 9.3136, 50.5892



1.2925, 1.1157, 4.9605

Inverse Universe

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



61.3454, 46.2472, 55.5644



57.1252, 39.8607, 47.8259



79.1411, 93.2662, 41.8499



18.3191, 18.1109, 20.2973



22.9472, 11.6682, 8.3724



2.2870, 1.1572, 1.0928

Previews

White Background



This preview shows how the XYZ color 49.1124, 51.2152, 101.9048 looks on a white background.

Color Contrast Check

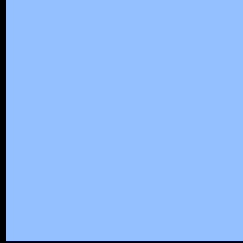
Large Text (above 18pt) WCAG AA × Fail

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 49.1124, 51.2152, 101.9048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

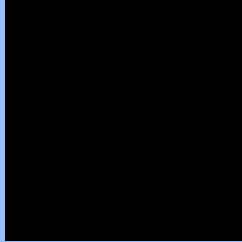
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

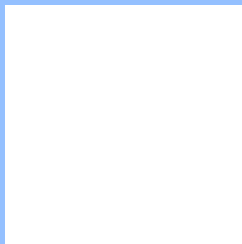
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1124, 51.2152, 101.9048

Background



This preview shows how black text looks on a background with the XYZ color 49.1124, 51.2152, 101.9048.



This preview shows how white text looks on a background with the XYZ color 49.1124, 51.2152,

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

49.1124, 51.2152, 101.9048

Protanopia

51.9775, 51.1636, 98.4028

Deuteranopia

52.1865, 50.8839, 101.6788



Tritanopia

43.0057, 51.0715, 71.8811

Trichromacy



Original Color

49.1124, 51.2152, 101.9048

Protanomaly

50.8725, 51.2100, 99.2987

Deuteranomaly

50.9335, 50.8678, 101.7417

Tritanomaly

45.0074, 50.8557, 82.3069

Monochromacy



Original Color

49.1124, 51.2152, 101.9048

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.7543, 49.4402, 68.7067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1124, 51.2152, 101.9048 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(148, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 192, 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(148, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 192, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.1124, 51.2152, 101.9048 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(148, 192, 255) }
```


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

```
.border{ border-color:rgb(148, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 192,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1124, 51.2152, 101.9048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 192, 255) }
```

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

```
.background{ background-color: rgb(148,  
192, 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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