

# Converting Colors

XYZ(49.4759, 51.8114,  
104.5747)

Have a look what the booklet for  
XYZ(49.4759, 51.8114, 104.5747)  
contains.

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# Color

**XYZ(48.9740, 51.4709,  
101.9614)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92C1FF
RGB	146, 193, 255
RGB Percent	57%, 76%, 100%
CMY	0.4274, 0.2431, 0.0000
CMYK	0.43, 0.24, 0.00, 0.00
HSL	214°, 100%, 79%
HSV	214°, 43%, 100%
XYZ	48.9740, 51.4709, 101.9614
YIQ	186.0150, -47.9140, 9.3180

# Conversions

## Conversions Part 2

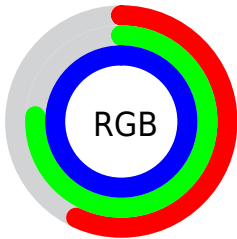
Format	Color
R <sub>Y</sub> B	146, 179, 255
Decimal	9617919
CIE Lab	76.96, 0.14, -35.39
CIE LCh	77, 35.388, 270.232
Yxy	51.4709, 0.2420, 0.2543
Android (android.graphics.Color)	4287807999 (0xFF92C1FF)
YUV	186.0150, 34.0096, -35.0932
Hunter-Lab	71.7432, -3.7014, -34.0426

# Details

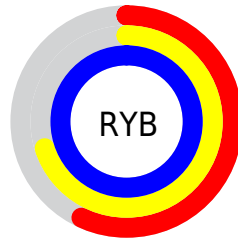
The XYZ color **48.9740, 51.4709, 101.9614** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.9849, 68.4480, 36.7719**, and the grayscale version is **46.5167, 48.9392, 53.2948**.

A 20% lighter version of the original color is **76.5543, 87.6679, 107.4945**, and **23.6909, 24.9572, 56.9947** is the 20% darker color. If you saturate the color by 10%, you get **41.8857, 43.2889, 100.7557**, and if you desaturate by 10%, it is **57.3908, 60.8068, 103.3198**.

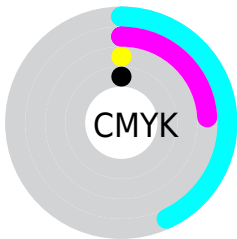
# Distribution



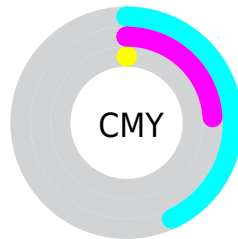
- Red (57%)
- Green (76%)
- Blue (100%)



- Red (57%)
- Yellow (70%)
- Blue (100%)



- Cyan (43%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (43%)
- Magenta (24%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9740, 51.4709, 101.9614 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 48.9740, 51.4709, 101.9614 by changing the saturation by 10% instead.



■ 48.9740, 51.4709,  
101.9614

■ 48.9740, 51.4709,  
101.9614

373.1586,  
392.3906, 587.7633

■ 34.8133, 36.5835,  
77.3136

■ 87.8538, 92.3505,  
165.9253

■ 23.6849, 24.8852,  
56.9972

■ 113.3036,  
119.1114, 206.0785

■ 15.2235, 15.9915,  
40.5936

143.2472,  
150.5990, 252.2373

■ 9.0638, 9.5182,  
27.6844

178.0498,  
187.1977, 304.8201

■ 4.8402, 5.0807,  
17.8509

218.0769,  
229.2918, 364.2456

■ 2.1876, 2.2947,  
10.6747

263.6939,

■ 0.7362, 0.7709,

277.2657, 430.9323

5.7371

315.2660,  
331.5038, 505.2986

■ 0.0000, 0.0000,  
2.6197

■ 0.0000, 0.0000,  
0.9026

■ 48.9740, 51.4709,  
101.9614

■ 48.9740, 51.4709,  
101.9614

■ 41.8857, 43.2889,  
100.7557

■ 57.3908, 60.8068,  
103.3198

■ 36.0442, 36.2020,  
99.6957

■ 67.2017, 71.3399,  
104.8358

■ 31.3653, 30.1539,  
98.7749

■ 78.4734, 83.1182,  
106.5152

■ 27.7508, 25.0794,  
97.9859

■ 91.2668, 96.1848,  
108.3630

■ 25.0834, 20.9024,  
97.3203

95.0500, 100.0000,  
108.9000

■ 23.6211, 18.3622,  
96.9070

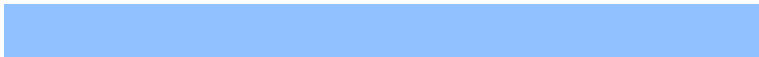
# Harmonies

## Analogous

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



42.7644, 51.4709, 94.8346



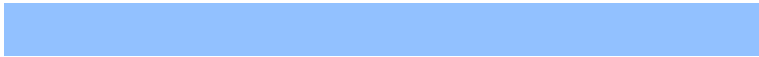
48.9740, 51.4709, 101.9614



55.7420, 51.4709, 94.6216

# Triad

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



48.9740, 51.4709, 101.9614



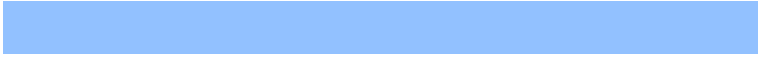
60.9962, 51.4709, 39.3538



38.5111, 51.4709, 39.5596

# Complementary

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



48.9740, 51.4709, 101.9614



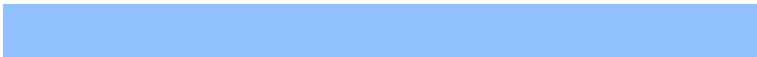
68.9849, 68.4480, 36.7719

# 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.



42.6814, 51.4709, 29.7003



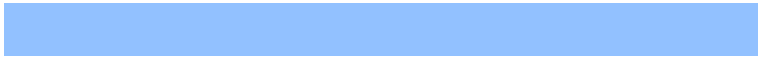
48.9740, 51.4709, 101.9614



55.6430, 51.4709, 29.6020

# Square

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



48.9740, 51.4709, 101.9614



63.0611, 51.4709, 55.8930



48.8691, 51.4709, 26.5155



37.0713, 51.4709, 56.1934



# Rectangle

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



48.9740, 51.4709, 101.9614



59.5757, 51.4709, 83.2996



48.8691, 51.4709, 26.5155



39.6200, 51.4709, 35.4936

# Sweetspot

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



48.9756, 51.4728, 101.9617



78.1653, 82.7999, 106.4700



58.9716, 82.1741, 72.2785



16.1723, 17.1443, 22.7068



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

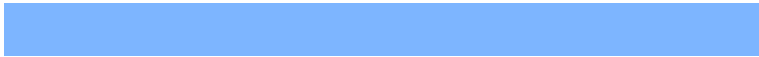


# Same Dimension

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



48.9756, 51.4728, 101.9617



43.0296, 44.6350, 100.9553



41.5177, 34.5779, 99.0937



17.6471, 18.6659, 22.9227



12.4841, 9.8778, 50.6832



1.3215, 1.1738, 4.9702



# Inverse Universe

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



61.1456, 45.6696, 56.0463



56.9106, 39.2519, 48.3075



79.5657, 93.5033, 41.0504



18.3345, 18.1171, 20.3789



23.0896, 11.7251, 9.1222



2.3017, 1.1630, 1.1700



# Previews

## White Background



This preview shows how the XYZ color 48.9740, 51.4709, 101.9614 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

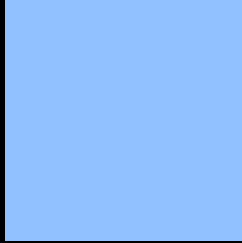
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.9740, 51.4709, 101.9614 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

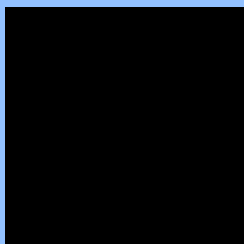
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

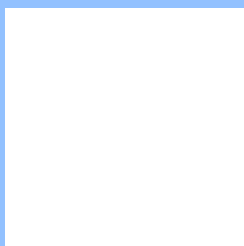
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 48.9740, 51.4709, 101.9614

## Background



This preview shows how black text looks on a background with the XYZ color 48.9740, 51.4709, 101.9614.



This preview shows how white text looks on a background with the XYZ color 48.9740, 51.4709,



# 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

48.9740, 51.4709, 101.9614

### Protanopia

52.1962, 51.2763, 98.4131

### Deuteranopia

52.6149, 51.4186, 101.7594



## Tritanopia

43.0406, 51.4173, 72.6218

# Trichromacy



## Original Color

48.9740, 51.4709, 101.9614

## Protanomaly

50.8725, 51.2100, 99.2987

## Deuteranomaly

51.1479, 51.2966, 101.8132

## Tritanomaly

44.8966, 51.1346, 82.3666

# Monochromacy



## Original Color

48.9740, 51.4709, 101.9614

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

46.7501, 49.7563, 68.7679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.9740, 51.4709, 101.9614 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(146, 193, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 193, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 193, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 48.9740, 51.4709, 101.9614 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(146, 193, 255) }
```



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

```
.border{ border-color:rgb(146, 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(146, 193, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 193, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 193, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 193,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.9740, 51.4709, 101.9614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 193, 255) }
```

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

```
.background{ background-color: rgb(146,  
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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