

# Converting Colors

XYZ(49.1653, 44.9270, 94.3647)

Have a look what the booklet for  
XYZ(49.1653, 44.9270, 94.3647)  
contains.

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# Color

**XYZ(49.2559, 45.0713,  
94.0993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0ABF7
RGB	176, 171, 247
RGB Percent	69%, 67%, 97%
CMY	0.3098, 0.3294, 0.0314
CMYK	0.29, 0.31, 0.00, 0.03
HSL	244°, 83%, 82%
HSV	244°, 31%, 97%
XYZ	49.2559, 45.0713, 94.0993
YIQ	181.1590, -21.4160, 24.6960

# Conversions

## Conversions Part 2

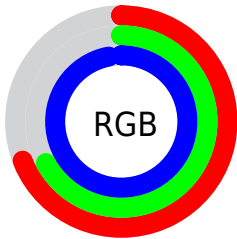
Format	Color
R <sub>Y</sub> B	176, 171, 247
Decimal	11578359
CIE Lab	72.94, 18.26, -37.16
CIE LCh	73, 41.405, 296.165
Yxy	45.0713, 0.2614, 0.2392
Android (android.graphics.Color)	4289768439 (0xFFB0ABF7)
YUV	181.1590, 32.4596, -4.5244
Hunter-Lab	67.1352, 13.4758, -36.1086

# Details

The XYZ color **49.2559, 45.0713, 94.0993** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **77.2304, 88.3400, 51.5106**, and the grayscale version is **43.8465, 46.1299, 50.2355**.

A 20% lighter version of the original color is **78.8506, 78.9364, 105.6881**, and **23.7762, 20.9763, 51.5109** is the 20% darker color. If you saturate the color by 10%, you get **40.2377, 34.1322, 92.4639**, and if you desaturate by 10%, it is **60.0358, 58.2145, 96.0688**.

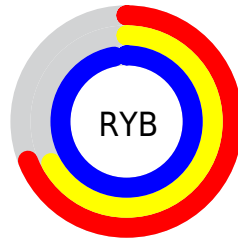
# Distribution



Red (69%)

Green (67%)

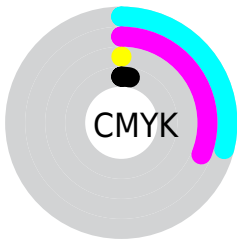
Blue (97%)



Red (69%)

Yellow (67%)

Blue (97%)

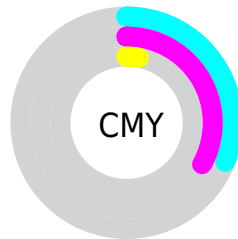


Cyan (29%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (31%)

Magenta (33%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2559, 45.0713, 94.0993 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 49.2559, 45.0713, 94.0993 by changing the saturation by 10% instead.



■ 49.2559, 45.0713,  
94.0993

■ 49.2559, 45.0713,  
94.0993

374.2491,  
367.0622, 562.1880

■ 35.0379, 31.5136,  
70.7928

■ 88.2698, 82.8274,  
155.0045

■ 23.8587, 20.9902,  
51.6923

113.7965,  
107.7946, 193.4403

■ 15.3530, 13.1169,  
36.3794

143.8234,  
137.3337, 237.7563

■ 9.1554, 7.5091,  
24.4353

178.7159,  
171.8291, 288.3710

■ 4.9006, 3.7825,  
15.4417

218.8394,  
211.6653, 345.7030

■ 2.2232, 1.5526,  
8.9799

264.5592,

■ 0.7549, 0.3253,

257.2267, 410.1708

4.6314

316.2406,  
308.8975, 482.1929

■ 0.0000, 0.0000,  
1.9778

■ 0.0000, 0.0000,  
0.5415

■ 49.2559, 45.0713,  
94.0993

■ 49.2559, 45.0713,  
94.0993

■ 40.2377, 34.1322,  
92.4639

■ 60.0358, 58.2145,  
96.0688

■ 32.8830, 25.2715,  
91.1413

■ 72.6592, 73.6678,  
98.3863

■ 27.0912, 18.3590,  
90.1123

■ 87.2084, 91.5367,  
101.0685

■ 22.7488, 13.2476,  
89.3546

■ 93.7887, 99.4955,  
102.2579

■ 19.7270, 9.7693,  
88.8424

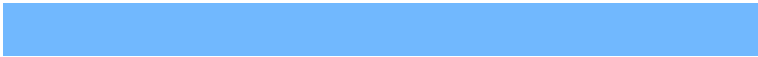
■ 17.8741, 7.7241,  
88.5453

■ 17.0066, 6.8278,  
88.4181

# Harmonies

## Analogous

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



41.9173, 45.0713, 100.3843



49.2559, 45.0713, 94.0993



55.4341, 45.0713, 74.7037

# Triad

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



49.2559, 45.0713, 94.0993



51.0417, 45.0713, 22.9067



30.4283, 45.0713, 46.4642

# Complementary

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



49.2559, 45.0713, 94.0993



77.2304, 88.3400, 51.5106

# 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.



32.3125, 45.0713, 30.1017



49.2559, 45.0713, 94.0993



43.7739, 45.0713, 19.1373

# Square

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



49.2559, 45.0713, 94.0993



56.5437, 45.0713, 33.5497



37.0050, 45.0713, 21.3440



31.5494, 45.0713, 68.7746



# Rectangle

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



49.2559, 45.0713, 94.0993



57.7797, 45.0713, 59.2076



37.0050, 45.0713, 21.3440



30.7251, 45.0713, 40.1699

# Sweetspot

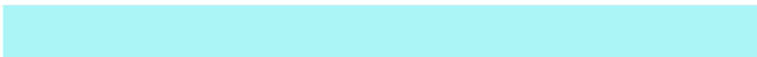
The Sweet Spot groups the original color and five complimentary colors.



49.2575, 45.0731, 94.1003



80.7080, 82.3794, 106.2548



65.6948, 79.5954, 99.8975



16.8130, 17.0660, 22.6579



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.



49.2575, 45.0731, 94.1003



46.6400, 40.7875, 100.0223



58.7354, 49.9591, 94.5439



15.6821, 15.9788, 20.8002



9.0340, 3.6315, 46.7628



0.8287, 0.3370, 4.1116



# Inverse Universe

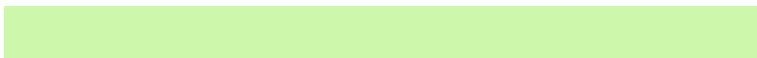
The Inverse Universe completely reimagines the original color for something new.



68.9489, 55.3123, 91.0477



70.9904, 53.4542, 96.0292



65.8448, 82.4705, 50.9778



17.1638, 16.7484, 20.6091



27.9167, 13.5101, 41.1313



2.4676, 1.1930, 3.6885



# Previews

## White Background



This preview shows how the XYZ color 49.2559, 45.0713, 94.0993 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

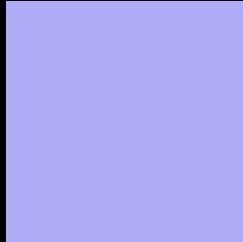
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2559, 45.0713, 94.0993 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 49.2559, 45.0713, 94.0993**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2559, 45.0713, 94.0993.



This preview shows how white text looks on a background with the XYZ color 49.2559, 45.0713,



# 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

49.2559, 45.0713, 94.0993

### Protanopia

46.6482, 45.0836, 97.5102

### Deuteranopia

46.4572, 45.3672, 93.4970



## Tritanopia

42.1001, 45.0949, 58.1150

# Trichromacy



## Original Color

49.2559, 45.0713, 94.0993

## Protanomaly

47.4956, 44.9608, 96.6175

## Deuteranomaly

47.4816, 45.3131, 93.4325

## Tritanomaly

44.4373, 44.8454, 69.9323

# Monochromacy



## Original Color

49.2559, 45.0713, 94.0993

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

45.3320, 45.4358, 64.1383

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2559, 45.0713, 94.0993 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(176, 171, 247)` looks like.

```
.text, #text, p{  
    color:rgb(176, 171, 247)  
}
```

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(176, 171, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 171, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2559, 45.0713, 94.0993 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(176, 171, 247) }
```



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

```
.border{ border-color:rgb(176, 171, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 171, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 171, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 171, 247);  
box-shadow:4px 4px 4px 4px rgb(176, 171,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2559, 45.0713, 94.0993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 171, 247) }
```

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

```
.background{ background-color: rgb(176,  
171, 247) }
```

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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