

Converting Colors

XYZ(49.0492, 51.4198, 76.4471)

Have a look what the booklet for
XYZ(49.0492, 51.4198, 76.4471)
contains.

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Color

**XYZ(49.0492, 51.4198,
76.4471)**

Conversions

Conversions Part 1

Format	Color
Hex	ADBFD E
RGB	173, 191, 222
RGB Percent	68%, 75%, 87%
CMY	0.3216, 0.2510, 0.1294
CMYK	0.22, 0.14, 0.00, 0.13
HSL	218°, 43%, 77%
HSV	218°, 22%, 87%
XYZ	49.0492, 51.4198, 76.4471
YIQ	189.1520, -20.6790, 5.8250

Conversions

Conversions Part 2

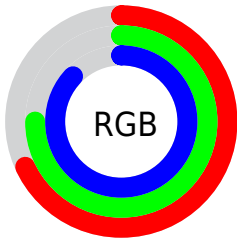
Format	Color
R _{YB}	173, 186, 222
Decimal	11386846
CIE Lab	76.93, 0.48, -17.53
CIE LCh	77, 17.536, 271.571
Yxy	51.4198, 0.2772, 0.2906
Android (android.graphics.Color)	4289576926 (0xFFADBFDE)
YUV	189.1520, 16.1941, -14.1653
Hunter-Lab	71.7076, -3.3913, -13.0134

Details

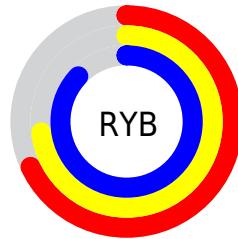
The XYZ color **49.0492, 51.4198, 76.4471** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.2604, 61.7325, 48.3286**, and the grayscale version is **48.3768, 50.8961, 55.4259**.

A 20% lighter version of the original color is **83.6239, 90.3995, 107.6491**, and **23.8093, 24.9600, 40.1221** is the 20% darker color. If you saturate the color by 10%, you get **41.6251, 43.2629, 75.2648**, and if you desaturate by 10%, it is **57.5859, 60.5888, 77.7678**.

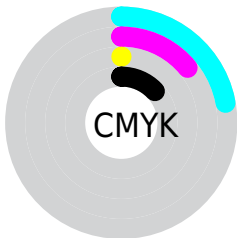
Distribution



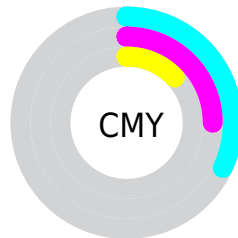
- Red (68%)
- Green (75%)
- Blue (87%)



- Red (68%)
- Yellow (73%)
- Blue (87%)



- Cyan (22%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (32%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0492, 51.4198, 76.4471 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 49.0492, 51.4198, 76.4471 by changing the saturation by 10% instead.

■ 49.0492, 51.4198,
76.4471

■ 49.0492, 51.4198,
76.4471

373.4497,
392.1926, 502.2643

■ 34.8732, 36.5428,
56.2903

■ 87.9648, 92.2750,
130.1246

■ 23.7313, 24.8537,
40.0302

113.4351,
119.0220, 164.4824

■ 15.2581, 15.9681,
27.2481

143.4009,
150.4945, 204.4110

■ 9.0882, 9.5016,
17.5256

178.2276,
187.0768, 250.3289

■ 4.8563, 5.0698,
10.4440

218.2804,
229.1534, 302.6546

■ 2.1971, 2.2883,
5.5849

263.9248,

■ 0.7412, 0.7675,

277.1086, 361.8067

2.5297

315.5261,
331.3269, 428.2038

■ 0.0000, 0.0000,
0.8558

■ 0.0000, 0.0000,
0.0000

■ 49.0492, 51.4198,
76.4471

■ 49.0492, 51.4198,
76.4471

■ 41.6251, 43.2629,
75.2648

■ 57.5859, 60.5888,
77.7678

■ 35.2602, 36.0746,
74.2128

■ 67.2757, 70.7986,
79.2278

■ 29.9039, 29.8173,
73.2873

■ 78.1629, 82.0848,
80.8324

■ 25.4992, 24.4481,
72.4831

■ 87.7409, 93.1658,
82.4665

■ 21.9828, 19.9205,
71.7945

■ 90.1850, 98.0540,
83.2812

■ 19.2830, 16.1824,
71.2153

■ 17.3148, 13.1742,
70.7384

■ 16.1693, 11.2426,
70.4259

Harmonies

Analogous

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



45.8805, 51.4198, 73.7594



49.0492, 51.4198, 76.4471



52.3112, 51.4198, 73.1552

Triad

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



49.0492, 51.4198, 76.4471



54.5482, 51.4198, 46.9039



43.4428, 51.4198, 47.6841

Complementary

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



49.0492, 51.4198, 76.4471



59.2604, 61.7325, 48.3286

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.



45.5888, 51.4198, 41.7405



49.0492, 51.4198, 76.4471



51.9928, 51.4198, 41.3274

Square

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



49.0492, 51.4198, 76.4471



55.5742, 51.4198, 55.4848



48.6972, 51.4198, 39.5486



42.7333, 51.4198, 56.4930

Rectangle

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



49.0492, 51.4198, 76.4471



54.0757, 51.4198, 68.2080



48.6972, 51.4198, 39.5486



44.0151, 51.4198, 45.3214

Sweetspot

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



49.0508, 51.4219, 76.4483



85.2880, 89.7761, 107.4411



54.1613, 65.4499, 66.4149



18.0831, 19.0344, 22.9709



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.



49.0508, 51.4219, 76.4483



62.7707, 65.6181, 103.9649



46.6545, 44.7123, 75.2795



13.3624, 14.0638, 17.3980



9.7013, 6.8723, 41.8635



0.7559, 0.6433, 2.9296

Inverse Universe

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



54.4730, 49.1796, 55.9141



71.3907, 62.3333, 71.2582



62.0678, 69.9028, 49.7576



13.9144, 13.7834, 15.3192



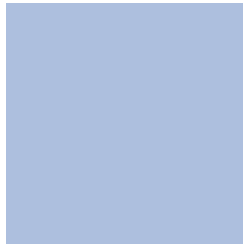
18.8370, 9.6018, 5.8074



1.3478, 0.6824, 0.6244

Previews

White Background



This preview shows how the XYZ color 49.0492, 51.4198, 76.4471 looks on a white background.

Color Contrast Check

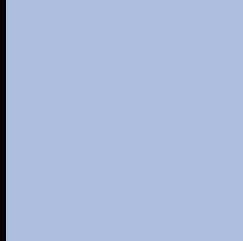
Large Text (above 18pt) WCAG AA × Fail

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 49.0492, 51.4198, 76.4471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

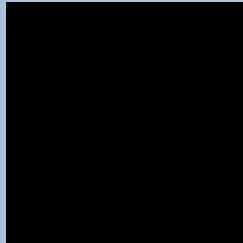
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0492, 51.4198, 76.4471

Background



This preview shows how black text looks on a background with the XYZ color 49.0492, 51.4198, 76.4471.



This preview shows how white text looks on a background with the XYZ color 49.0492, 51.4198,

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

49.0492, 51.4198, 76.4471

Protanopia

50.6687, 51.3241, 74.9462

Deuteranopia

52.4065, 51.2321, 76.9387



Tritanopia

47.1562, 51.2894, 67.7361

Trichromacy



Original Color

49.0492, 51.4198, 76.4471

Protanomaly

50.0711, 51.3189, 75.6731

Deuteranomaly

51.0972, 51.1826, 76.9982

Tritanomaly

47.7818, 51.2122, 70.9849

Monochromacy



Original Color

49.0492, 51.4198, 76.4471

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.4845, 51.1112, 62.5684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0492, 51.4198, 76.4471 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(173, 191, 222)` looks like.

```
.text, #text, p{  
    color:rgb(173, 191, 222)  
}
```

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(173, 191, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 191, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.0492, 51.4198, 76.4471 is called "border". The border property can be set on classes, ids or directly on the HTML element.

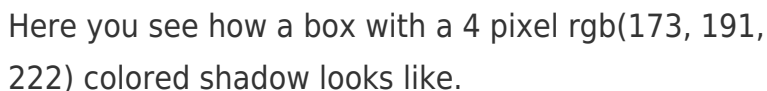
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(173, 191, 222) }
```


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

```
.border{ border-color:rgb(173, 191, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(173, 191, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 191, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 191, 222); box-shadow:4px 4px 4px 4px rgb(173, 191, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0492, 51.4198, 76.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 191, 222) }
```

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

```
.background{ background-color: rgb(173,  
191, 222) }
```

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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