

Converting Colors

XYZ(49.9932, 51.8437, 76.3747)

Have a look what the booklet for
XYZ(49.9932, 51.8437, 76.3747)
contains.

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Color

**XYZ(49.9471, 51.8826,
76.4891)**

Conversions

Conversions Part 1

Format	Color
Hex	B1BFDE
RGB	177, 191, 222
RGB Percent	69%, 75%, 87%
CMY	0.3059, 0.2510, 0.1294
CMYK	0.20, 0.14, 0.00, 0.13
HSL	221°, 41%, 78%
HSV	221°, 20%, 87%
XYZ	49.9471, 51.8826, 76.4891
YIQ	190.3480, -18.2950, 6.6730

Conversions

Conversions Part 2

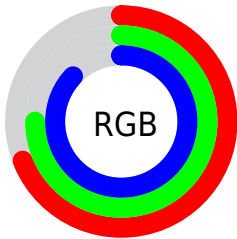
Format	Color
R _Y B	177, 188, 222
Decimal	11648990
CIE Lab	77.21, 1.72, -17.08
CIE LCh	77, 17.169, 275.733
Yxy	51.8826, 0.2801, 0.2910
Android (android.graphics.Color)	4289839070 (0xFFB1BFDE)
YUV	190.3480, 15.6044, -11.7062
Hunter-Lab	72.0296, -2.2754, -12.5401

Details

The XYZ color **49.9471, 51.8826, 76.4891** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.6165, 63.8160, 50.7192**, and the grayscale version is **49.0658, 51.6210, 56.2153**.

A 20% lighter version of the original color is **84.9150, 91.0652, 107.7096**, and **24.3757, 25.2521, 40.1486** is the 20% darker color. If you saturate the color by 10%, you get **42.1335, 43.1606, 75.2183**, and if you desaturate by 10%, it is **58.9348, 61.7294, 77.9169**.

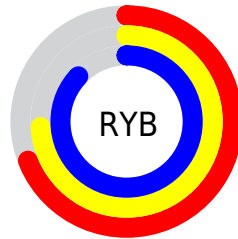
Distribution



Red (69%)

Green (75%)

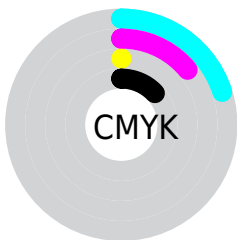
Blue (87%)



Red (69%)

Yellow (74%)

Blue (87%)

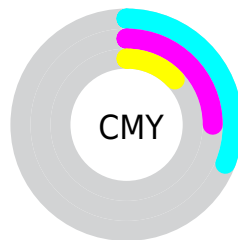


Cyan (20%)

Magenta (14%)

Yellow (0%)

Black (13%)



Cyan (31%)

Magenta (25%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9471, 51.8826, 76.4891 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 49.9471, 51.8826, 76.4891 by changing the saturation by 10% instead.

■ 49.9471, 51.8826,
76.4891

■ 49.9471, 51.8826,
76.4891

376.9144,
393.9832, 502.4117

■ 35.5890, 36.9115,
56.3246

■ 89.2888, 92.9581,
130.1845

■ 24.2856, 25.1390,
40.0575

115.0031,
119.8313, 164.5524

■ 15.6715, 16.1806,
27.2692

145.2335,
151.4406, 204.4919

■ 9.3814, 9.6521,
17.5413

180.3453,
188.1704, 250.4215

■ 5.0498, 5.1689,
10.4552

220.7040,
230.4052, 302.7597

■ 2.3116, 2.3467,
5.5922

266.6748,

■ 0.8006, 0.7983,

278.5294, 361.9251

2.5340

318.6232,
332.9272, 428.3363

■ 0.0000, 0.0000,
0.8581

■ 0.0000, 0.0000,
0.0000

■ 49.9471, 51.8826,
76.4891

■ 49.9471, 51.8826,
76.4891

■ 42.1335, 43.1606,
75.2183

■ 58.9348, 61.7294,
77.9169

■ 35.4387, 35.5153,
74.0954

■ 69.1389, 72.7340,
79.5032

■ 29.8102, 28.9042,
73.1160

■ 80.6055, 84.9360,
81.2540

■ 25.1892, 23.2796,
72.2739

■ 89.2901, 96.2643,
82.9829

■ 21.5104, 18.5894,
71.5625

■ 90.1850, 98.0540,
83.2812

■ 18.7006, 14.7759,
70.9745

■ 16.6740, 11.7739,
70.5019

■ 15.3177, 9.5395,
70.1421

Harmonies

Analogous

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



46.7600, 51.8826, 74.6568



49.9471, 51.8826, 76.4891



53.0978, 51.8826, 72.4998

Triad

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



49.9471, 51.8826, 76.4891



54.6247, 51.8826, 46.5635



43.7711, 51.8826, 49.3722

Complementary

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



49.9471, 51.8826, 76.4891



60.6165, 63.8160, 50.7192

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.



45.7121, 51.8826, 43.0320



49.9471, 51.8826, 76.4891



51.9570, 51.8826, 41.5410

Square

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



49.9471, 51.8826, 76.4891



55.8744, 51.8826, 54.7019



48.6840, 51.8826, 40.3235



43.2862, 51.8826, 58.3194

Rectangle

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



49.9471, 51.8826, 76.4891



54.7241, 51.8826, 67.3111



48.6840, 51.8826, 40.3235



44.2706, 51.8826, 46.8980

Sweetspot

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



49.9487, 51.8847, 76.4903



86.3729, 90.6717, 107.5568



55.6083, 66.1325, 69.3484



18.2932, 19.1978, 22.9913



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.



49.9487, 51.8847, 76.4903



64.0014, 66.1721, 104.0070



48.9762, 47.0650, 75.6112



13.2982, 13.9356, 17.3766



9.1857, 5.8410, 41.6916



0.7147, 0.5609, 2.9158

Inverse Universe

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



55.2516, 50.7369, 56.1736



72.4775, 64.5507, 71.4855



61.7167, 69.6764, 51.7924



13.8820, 13.7704, 15.1488



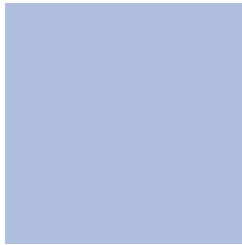
18.5767, 9.4977, 4.4368



1.3270, 0.6741, 0.5149

Previews

White Background



This preview shows how the XYZ color 49.9471, 51.8826, 76.4891 looks on a white background.

Color Contrast Check

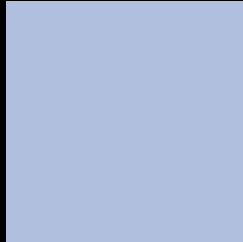
Large Text (above 18pt) WCAG AA × Fail

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 49.9471, 51.8826, 76.4891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

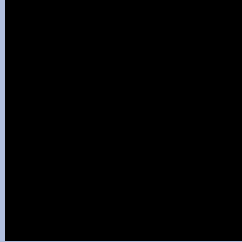
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9471, 51.8826, 76.4891

Background



This preview shows how black text looks on a background with the XYZ color 49.9471, 51.8826, 76.4891.



This preview shows how white text looks on a background with the XYZ color 49.9471, 51.8826,

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

49.9471, 51.8826, 76.4891

Protanopia

51.2563, 51.9299, 75.7286

Deuteranopia

52.8705, 51.7830, 77.0206



Tritanopia

48.0341, 51.7420, 67.7771

Trichromacy



Original Color

49.9471, 51.8826, 76.4891

Protanomaly

50.7560, 51.9925, 75.7670

Deuteranomaly

51.7960, 51.8589, 77.0919

Tritanomaly

48.6664, 51.6683, 71.0263

Monochromacy



Original Color

49.9471, 51.8826, 76.4891

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.0817, 51.4055, 63.2125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9471, 51.8826, 76.4891 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(177, 191, 222)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 191, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 191, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.9471, 51.8826, 76.4891 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(177, 191, 222) }
```


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

```
.border{ border-color:rgb(177, 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(177, 191, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 191, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 191, 222);  
box-shadow:4px 4px 4px 4px rgb(177, 191,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9471, 51.8826, 76.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 191, 222) }
```

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

```
.background{ background-color: rgb(177,  
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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