

Converting Colors

XYZ(49.8253, 51.5794, 70.2229)

Have a look what the booklet for
XYZ(49.8253, 51.5794, 70.2229)
contains.

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Color

**XYZ(49.9521, 51.6983,
70.2968)**

Conversions

Conversions Part 1

Format	Color
Hex	B7BED5
RGB	183, 190, 213
RGB Percent	72%, 75%, 84%
CMY	0.2823, 0.2549, 0.1647
CMYK	0.14, 0.11, 0.00, 0.16
HSL	226°, 26%, 78%
HSV	226°, 14%, 84%
XYZ	49.9521, 51.6983, 70.2968
YIQ	190.5290, -11.5550, 5.6690

Conversions

Conversions Part 2

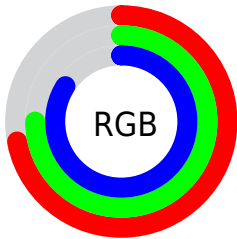
Format	Color
RYB	183, 189, 213
Decimal	12041941
CIELab	77.10, 2.20, -12.34
CIELCh	77, 12.536, 280.130
Yxy	51.6983, 0.2905, 0.3007
Android (android.graphics.Color)	4290232021 (0xFFB7BED5)
YUV	190.5290, 11.0782, -6.6029
Hunter-Lab	71.9015, -1.8185, -7.6357

Details

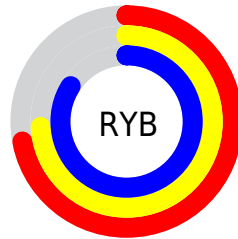
The XYZ color **49.9521, 51.6983, 70.2968** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.0593, 61.7072, 53.6513**, and the grayscale version is **49.1927, 51.7546, 56.3607**.

A 20% lighter version of the original color is **86.6024, 91.4823, 107.7011**, and **24.3231, 25.1058, 35.9117** is the 20% darker color. If you saturate the color by 10%, you get **41.9237, 42.6015, 68.9649**, and if you desaturate by 10%, it is **59.1465, 61.9871, 71.7990**.

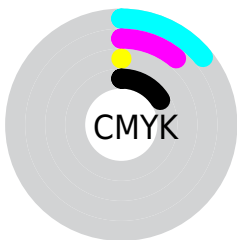
Distribution



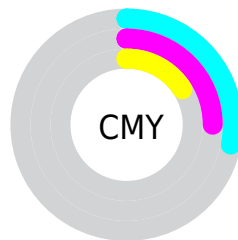
- Red (72%)
- Green (75%)
- Blue (84%)



- Red (72%)
- Yellow (74%)
- Blue (84%)



- Cyan (14%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)



- Cyan (28%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9521, 51.6983, 70.2968 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 49.9521, 51.6983, 70.2968 by changing the saturation by 10% instead.

■ 49.9521, 51.6983,
70.2968

■ 49.9521, 51.6983,
70.2968

376.9337,
393.2708, 480.4087

■ 35.5930, 36.7646,
51.2902

■ 89.2961, 92.6861,
121.3170

■ 24.2887, 25.0253,
36.0613

115.0118,
119.5091, 154.1677

■ 15.6738, 16.0959,
24.1915

145.2436,
151.0640, 192.4702

■ 9.3830, 9.5921,
15.2622

180.3571,
187.7352, 236.6431

■ 5.0509, 5.1293,
8.8550

220.7174,
229.9071, 287.1048

■ 2.3122, 2.3233,
4.5512

266.6901,

■ 0.8009, 0.7860,

277.9640, 344.2740

1.9323

318.6404,
332.2905, 408.5691

■ 0.0000, 0.0000,
0.5132

■ 0.0000, 0.0000,
0.0000

■ 49.9521, 51.6983,
70.2968

■ 49.9521, 51.6983,
70.2968

■ 41.9237, 42.6015,
68.9649

■ 59.1465, 61.9871,
71.7990

■ 35.0093, 34.6464,
67.7938

■ 69.5469, 73.5029,
73.4736

■ 29.1599, 27.7889,
66.7785

■ 81.1969, 86.2870,
75.3271

■ 24.3206, 21.9791,
65.9122

■ 89.0104, 97.5842,
77.0959

■ 20.4318, 17.1632,
65.1876

■ 17.4272, 13.2825,
64.5969

■ 15.2311, 10.2712,
64.1314

■ 13.7541, 8.0538,
63.7812

■ 13.1390, 7.0615,
63.6221

Harmonies

Analogous

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



47.5891, 51.6983, 69.6269



49.9521, 51.6983, 70.2968



52.1658, 51.6983, 66.9881

Triad

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



49.9521, 51.6983, 70.2968



52.7433, 51.6983, 48.2112



44.9329, 51.6983, 51.9262

Complementary

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



49.9521, 51.6983, 70.2968



58.0593, 61.7072, 53.6513

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.



46.2290, 51.6983, 46.7974



49.9521, 51.6983, 70.2968



50.7195, 51.6983, 44.7763

Square

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



49.9521, 51.6983, 70.2968



53.8116, 51.6983, 54.0027



48.3322, 51.6983, 44.2807



44.7425, 51.6983, 58.6423

Rectangle

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



49.9521, 51.6983, 70.2968



53.2400, 51.6983, 63.1175



48.3322, 51.6983, 44.2807



45.2517, 51.6983, 49.9748

Sweetspot

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



49.9537, 51.7004, 70.2980



88.9526, 93.2288, 107.9144



54.4035, 62.0886, 67.1924



18.8012, 19.6895, 23.0595



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.



49.9537, 51.7004, 70.2980



71.1605, 73.2850, 105.0026



50.3050, 49.6837, 69.8902



11.9755, 12.4745, 15.7142



8.0912, 4.4441, 38.8845



0.5523, 0.3967, 2.3668

Inverse Universe

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



53.6695, 51.7319, 55.8743



77.8499, 73.4337, 79.0160



57.6574, 64.0586, 54.1264



12.5409, 12.4678, 13.5224



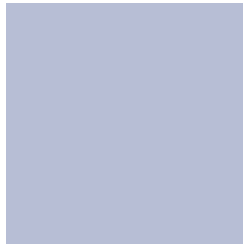
17.1429, 8.7935, 2.7906



1.0664, 0.5434, 0.3392

Previews

White Background



This preview shows how the XYZ color 49.9521, 51.6983, 70.2968 looks on a white background.

Color Contrast Check

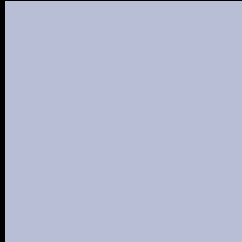
Large Text (above 18pt) WCAG AA × Fail

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 49.9521, 51.6983, 70.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

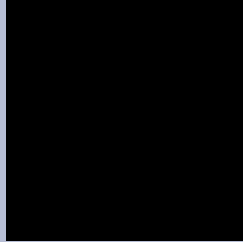
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9521, 51.6983, 70.2968

Background



This preview shows how black text looks on a background with the XYZ color 49.9521, 51.6983, 70.2968.



This preview shows how white text looks on a background with the XYZ color 49.9521, 51.6983,

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

49.9521, 51.6983, 70.2968

Protanopia

50.5748, 51.7135, 69.6035

Deuteranopia

52.7753, 51.5587, 70.7886



Tritanopia

49.0628, 51.6629, 65.7786

Trichromacy



Original Color

49.9521, 51.6983, 70.2968

Protanomaly

50.3310, 51.5878, 69.5921

Deuteranomaly

51.9002, 51.7331, 70.8684

Tritanomaly

49.4308, 51.8101, 67.7167

Monochromacy



Original Color

49.9521, 51.6983, 70.2968

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.6786, 52.0765, 61.4663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9521, 51.6983, 70.2968 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(183, 190, 213)` looks like.

```
.text, #text, p{  
    color:rgb(183, 190, 213)  
}
```

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(183, 190, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 190, 213) }
```

Border

The CSS property to change the border of an element to XYZ 49.9521, 51.6983, 70.2968 is called "border". The border property can be set on classes, ids or directly on the HTML element.

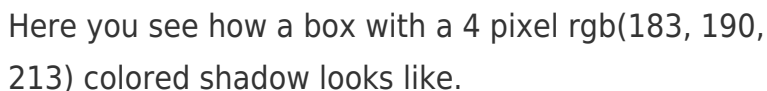
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 190, 213) }
```


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

```
.border{ border-color:rgb(183, 190, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 190, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 190, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 190, 213); box-shadow:4px 4px 4px 4px rgb(183, 190, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9521, 51.6983, 70.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 190, 213) }
```

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

```
.background{ background-color: rgb(183,  
190, 213) }
```

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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