

Converting Colors

XYZ(49.8896, 51.9573, 72.2984)

Have a look what the booklet for
XYZ(49.8896, 51.9573, 72.2984)
contains.

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Color

**XYZ(49.8479, 51.9228,
72.3606)**

Conversions

Conversions Part 1

Format	Color
Hex	B4BFD8
RGB	180, 191, 216
RGB Percent	71%, 75%, 85%
CMY	0.2941, 0.2510, 0.1529
CMYK	0.17, 0.12, 0.00, 0.15
HSL	222°, 32%, 78%
HSV	222°, 17%, 85%
XYZ	49.8479, 51.9228, 72.3606
YIQ	190.5610, -14.5810, 5.4430

Conversions

Conversions Part 2

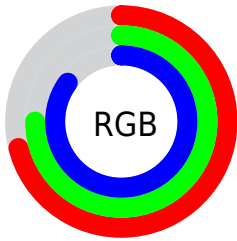
Format	Color
RYB	180, 188, 216
Decimal	11845592
CIELab	77.23, 1.34, -13.78
CIELCh	77, 13.849, 275.570
Yxy	51.9228, 0.2863, 0.2982
Android (android.graphics.Color)	4290035672 (0xFFB4BFD8)
YUV	190.5610, 12.5414, -9.2620
Hunter-Lab	72.0575, -2.6179, -9.0992

Details

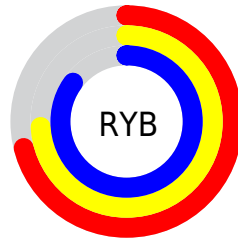
The XYZ color **49.8479, 51.9228, 72.3606** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.3889, 61.5568, 51.9855**, and the grayscale version is **49.2043, 51.7668, 56.3740**.

A 20% lighter version of the original color is **85.9028, 91.5744, 107.7558**, and **24.2739, 25.2622, 37.3149** is the 20% darker color. If you saturate the color by 10%, you get **42.1010, 43.3207, 71.1094**, and if you desaturate by 10%, it is **58.7165, 61.6031, 73.7625**.

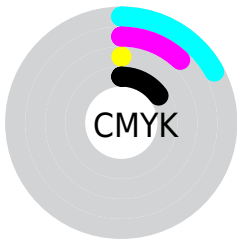
Distribution



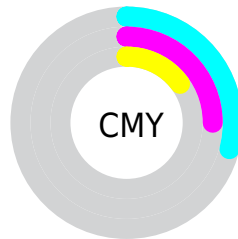
- Red (71%)
- Green (75%)
- Blue (85%)



- Red (71%)
- Yellow (74%)
- Blue (85%)



- Cyan (17%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (29%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8479, 51.9228, 72.3606 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 49.8479, 51.9228, 72.3606 by changing the saturation by 10% instead.

■ 49.8479, 51.9228,
72.3606

■ 49.8479, 51.9228,
72.3606

376.5327,
394.1385, 487.8070

■ 35.5099, 36.9435,
52.9647

■ 89.1426, 93.0174,
124.2816

■ 24.2242, 25.1638,
37.3870

114.8301,
119.9015, 157.6437

■ 15.6257, 16.1991,
25.2092

145.0313,
151.5227, 196.4982

■ 9.3488, 9.6652,
16.0125

180.1118,
188.2653, 241.2638

■ 5.0283, 5.1775,
9.3786

220.4368,
230.5138, 292.3589

■ 2.2988, 2.3518,
4.8887

266.3717,

■ 0.7941, 0.8009,

278.6526, 350.2021

2.1245

318.2819,
333.0660, 415.2120

■ 0.0000, 0.0000,
0.6303

■ 0.0000, 0.0000,
0.0000

■ 49.8479, 51.9228,
72.3606

■ 49.8479, 51.9228,
72.3606

■ 42.1010, 43.3207,
71.1094

■ 58.7165, 61.6031,
73.7625

■ 35.4250, 35.7517,
70.0003

■ 68.7456, 72.3919,
75.3163

■ 29.7718, 29.1767,
69.0291

■ 79.9778, 84.3261,
77.0279

■ 25.0877, 23.5517,
68.1903

■ 88.1317, 95.2118,
78.6993

■ 21.3140, 18.8289,
67.4776

■ 89.3948, 97.7379,
79.1203

■ 18.3849, 14.9559,
66.8844

■ 16.2248, 11.8739,
66.4034

■ 14.7391, 9.5127,
66.0259

■ 14.3439, 8.8560,
65.9200

Harmonies

Analogous

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



47.2709, 51.9228, 70.9095



49.8479, 51.9228, 72.3606



52.3788, 51.9228, 69.2729

Triad

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



49.8479, 51.9228, 72.3606



53.6185, 51.9228, 48.4543



44.8501, 51.9228, 50.7046

Complementary

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



49.8479, 51.9228, 72.3606



58.3889, 61.5568, 51.9855

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.



46.4423, 51.9228, 45.4631



49.8479, 51.9228, 72.3606



51.4914, 51.9228, 44.2478

Square

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



49.8479, 51.9228, 72.3606



54.6052, 51.9228, 55.1288



48.8575, 51.9228, 43.2036



44.4453, 51.9228, 57.9651

Rectangle

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



49.8479, 51.9228, 72.3606



53.6800, 51.9228, 65.2057



48.8575, 51.9228, 43.2036



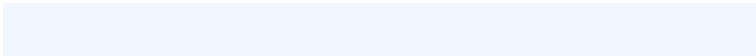
45.2613, 51.9228, 48.6694

Sweetspot

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



49.8495, 51.9249, 72.3618



87.7542, 92.1423, 107.7678



54.3505, 63.2045, 66.8409



18.5710, 19.4930, 23.0337



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.



49.8495, 51.9249, 72.3618



68.4366, 71.0270, 104.7103



49.1128, 48.1160, 71.6654



12.0490, 12.6215, 15.7387



8.5740, 5.4098, 39.0454



0.5896, 0.4712, 2.3792

Inverse Universe

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



54.0454, 51.0043, 56.2890



75.6964, 69.5912, 76.8662



59.2029, 66.0217, 52.8044



12.5780, 12.4827, 13.7178



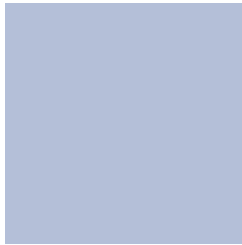
17.3866, 8.8910, 4.0740



1.0853, 0.5509, 0.4384

Previews

White Background



This preview shows how the XYZ color 49.8479, 51.9228, 72.3606 looks on a white background.

Color Contrast Check

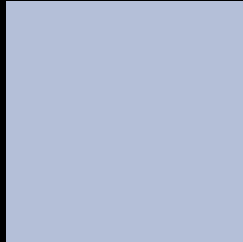
Large Text (above 18pt) WCAG AA × Fail

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 49.8479, 51.9228, 72.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

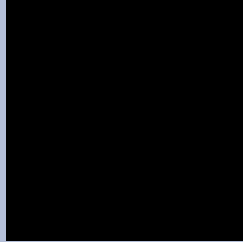
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.8479, 51.9228, 72.3606

Background



This preview shows how black text looks on a background with the XYZ color 49.8479, 51.9228, 72.3606.



This preview shows how white text looks on a background with the XYZ color 49.8479, 51.9228,

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

49.8479, 51.9228, 72.3606

Protanopia

50.9569, 51.8663, 71.6155

Deuteranopia

53.1092, 51.9979, 72.8831



Tritanopia

48.5949, 51.7183, 67.0959

Trichromacy



Original Color

49.8479, 51.9228, 72.3606

Protanomaly

50.4464, 51.9236, 71.6534

Deuteranomaly

51.9935, 52.0526, 72.9524

Tritanomaly

49.1979, 51.9861, 69.0693

Monochromacy



Original Color

49.8479, 51.9228, 72.3606

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.5496, 51.9965, 62.0684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8479, 51.9228, 72.3606 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(180, 191, 216)` looks like.

```
.text, #text, p{  
    color:rgb(180, 191, 216)  
}
```

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(180, 191, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 191, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.8479, 51.9228, 72.3606 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(180, 191, 216) }
```


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

```
.border{ border-color:rgb(180, 191, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 191, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 191, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 191, 216);  
box-shadow:4px 4px 4px 4px rgb(180, 191,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8479, 51.9228, 72.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 191, 216) }
```

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

```
.background{ background-color: rgb(180,  
191, 216) }
```

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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