

Converting Colors

XYZ(49.3851, 51.0645, 79.7614)

Have a look what the booklet for
XYZ(49.3851, 51.0645, 79.7614)
contains.

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Color

**XYZ(49.5122, 51.2572,
79.9571)**

Conversions

Conversions Part 1

Format	Color
Hex	ADBEE3
RGB	173, 190, 227
RGB Percent	68%, 75%, 89%
CMY	0.3216, 0.2549, 0.1098
CMYK	0.24, 0.16, 0.00, 0.11
HSL	221°, 49%, 78%
HSV	221°, 24%, 89%
XYZ	49.5122, 51.2572, 79.9571
YIQ	189.1350, -22.0090, 7.9030

Conversions

Conversions Part 2

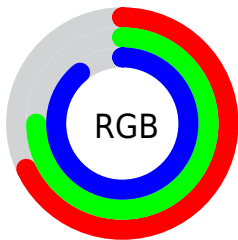
Format	Color
RYB	173, 186, 227
Decimal	11386595
CIELab	76.83, 2.16, -20.38
CIELCh	77, 20.493, 276.055
Yxy	51.2572, 0.2740, 0.2836
Android (android.graphics.Color)	4289576675 (0xFFADBEE3)
YUV	189.1350, 18.6674, -14.1504
Hunter-Lab	71.5941, -1.8449, -16.0998

Details

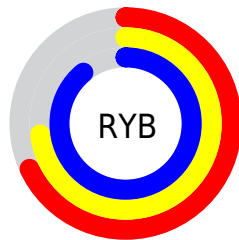
The XYZ color **49.5122, 51.2572, 79.9571** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **62.2687, 65.4416, 48.8862**, and the grayscale version is **48.3539, 50.8721, 55.3997**.

A 20% lighter version of the original color is **83.3189, 89.7895, 107.5475**, and **24.1378, 24.8629, 42.5566** is the 20% darker color. If you saturate the color by 10%, you get **41.7220, 42.5055, 78.6793**, and if you desaturate by 10%, it is **58.5179, 61.1717, 81.3970**.

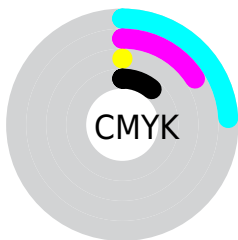
Distribution



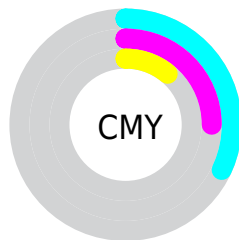
- Red (68%)
- Green (75%)
- Blue (89%)



- Red (68%)
- Yellow (73%)
- Blue (89%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (32%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5122, 51.2572, 79.9571 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 49.5122, 51.2572, 79.9571 by changing the saturation by 10% instead.

■ 49.5122, 51.2572,
79.9571

■ 49.5122, 51.2572,
79.9571

375.2389,
391.5622, 514.4912

■ 35.2422, 36.4133,
59.1571

■ 88.6479, 92.0348,
135.1163

■ 24.0169, 24.7536,
42.3187

114.2442,
118.7374, 170.3125

■ 15.4709, 15.8936,
29.0235

144.3467,
150.1617, 211.1446

■ 9.2390, 9.4489,
18.8529

179.3207,
186.6920, 258.0310

■ 4.9558, 5.0351,
11.3883

219.5316,
228.7129, 311.3903

■ 2.2558, 2.2679,
6.2112

265.3446,

■ 0.7719, 0.7566,

276.6086, 371.6411

2.9031

317.1253,
330.7636, 439.2019

■ 0.0000, 0.0000,
1.0454

■ 0.0000, 0.0000,
0.0000

■ 49.5122, 51.2572,
79.9571

■ 49.5122, 51.2572,
79.9571

■ 41.7220, 42.5055,
78.6793

■ 58.5179, 61.1717,
81.3970

■ 35.0882, 34.8656,
77.5543

■ 68.7850, 72.2849,
83.0009

■ 29.5538, 28.2920,
76.5771

■ 80.3630, 84.6386,
84.7752

■ 25.0546, 22.7330,
75.7413

■ 89.9837, 96.5630,
86.5698

■ 21.5193, 18.1323,
75.0396

■ 90.8653, 98.3261,
86.8636

■ 18.8668, 14.4271,
74.4642

■ 17.0002, 11.5448,
74.0063

■ 16.1485, 10.1126,
73.7747

Harmonies

Analogous

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



45.7432, 51.2572, 77.7843



49.5122, 51.2572, 79.9571



53.2580, 51.2572, 74.9971

Triad

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



49.5122, 51.2572, 79.9571



55.0239, 51.2572, 44.1204



42.1927, 51.2572, 47.5541

Complementary

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



49.5122, 51.2572, 79.9571



62.2687, 65.4416, 48.8862

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.



44.4445, 51.2572, 40.2115



49.5122, 51.2572, 79.9571



51.8200, 51.2572, 38.4216

Square

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



49.5122, 51.2572, 79.9571



56.5474, 51.2572, 53.5797



47.9332, 51.2572, 37.0919



41.6477, 51.2572, 58.1021

Rectangle

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



49.5122, 51.2572, 79.9571



55.1954, 51.2572, 68.6571



47.9332, 51.2572, 37.0919



42.7690, 51.2572, 44.6753

Sweetspot

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



49.5138, 51.2593, 79.9583



85.0069, 89.2139, 107.3474



56.3242, 68.4716, 71.1563



18.0181, 18.9044, 22.9492



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.



49.5138, 51.2593, 79.9583



58.7898, 60.3938, 103.1664



48.3147, 45.4897, 78.9078



13.9513, 14.6239, 18.2317



9.5100, 6.0822, 43.0559



0.7837, 0.6113, 3.2087

Inverse Universe

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



55.9177, 49.9372, 55.4091



68.7131, 58.7037, 65.0455



63.6580, 72.7233, 50.2185



14.5630, 14.4424, 15.8991



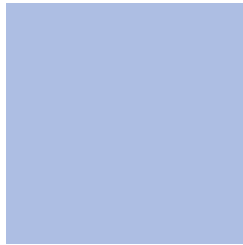
19.1937, 9.8117, 4.6492



1.4592, 0.7414, 0.5586

Previews

White Background



This preview shows how the XYZ color 49.5122, 51.2572, 79.9571 looks on a white background.

Color Contrast Check

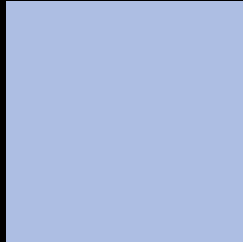
Large Text (above 18pt) WCAG AA × Fail

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 49.5122, 51.2572, 79.9571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

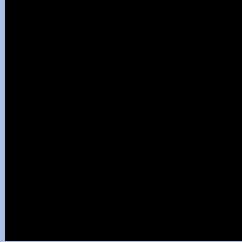
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5122, 51.2572, 79.9571

Background



This preview shows how black text looks on a background with the XYZ color 49.5122, 51.2572, 79.9571.



This preview shows how white text looks on a background with the XYZ color 49.5122, 51.2572,

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

49.5122, 51.2572, 79.9571

Protanopia

50.8652, 51.3478, 78.4644

Deuteranopia

52.3388, 51.1182, 80.5070



Tritanopia

46.9408, 51.1784, 67.7260

Trichromacy



Original Color

49.5122, 51.2572, 79.9571

Protanomaly

50.5155, 51.4699, 79.2237

Deuteranomaly

51.3024, 51.2094, 80.5793

Tritanomaly

47.8219, 51.2032, 72.3285

Monochromacy



Original Color

49.5122, 51.2572, 79.9571

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.5055, 50.7743, 63.7438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5122, 51.2572, 79.9571 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, 190, 227)` looks like.

```
.text, #text, p{  
    color:rgb(173, 190, 227)  
}
```

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, 190, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 190, 227) }
```

Border

The CSS property to change the border of an element to XYZ 49.5122, 51.2572, 79.9571 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, 190, 227) }
```


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

```
.border{ border-color:rgb(173, 190, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 190, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 190, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 190, 227);  
box-shadow:4px 4px 4px 4px rgb(173, 190,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5122, 51.2572, 79.9571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 190, 227) }
```

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

```
.background{ background-color: rgb(173,  
190, 227) }
```

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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