

Converting Colors

XYZ(50.9724, 49.3777, 79.5364)

Have a look what the booklet for
XYZ(50.9724, 49.3777, 79.5364)
contains.

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Color

**XYZ(51.0866, 49.5667,
79.5478)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB6E3
RGB	187, 182, 227
RGB Percent	73%, 71%, 89%
CMY	0.2667, 0.2863, 0.1098
CMYK	0.18, 0.20, 0.00, 0.11
HSL	247°, 45%, 80%
HSV	247°, 20%, 89%
XYZ	51.0866, 49.5667, 79.5478
YIQ	188.6250, -11.4650, 15.0550

Conversions

Conversions Part 2

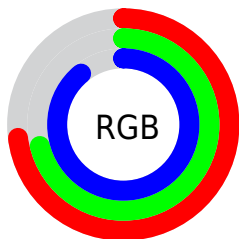
Format	Color
RYB	187, 182, 227
Decimal	12302051
CIELab	75.80, 10.83, -21.85
CIElCh	76, 24.386, 296.365
Yxy	49.5667, 0.2835, 0.2751
Android (android.graphics.Color)	4290492131 (0xFFBBB6E3)
YUV	188.6250, 18.9189, -1.4251
Hunter-Lab	70.4036, 6.3177, -17.7082

Details

The XYZ color **51.0866, 49.5667, 79.5478** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **66.0383, 73.8463, 55.0313**, and the grayscale version is **48.0571, 50.5598, 55.0596**.

A 20% lighter version of the original color is **85.9328, 87.6022, 106.9875**, and **24.9695, 23.6656, 42.2816** is the 20% darker color. If you saturate the color by 10%, you get **42.2149, 38.6434, 77.9078**, and if you desaturate by 10%, it is **61.4086, 62.3588, 81.4737**.

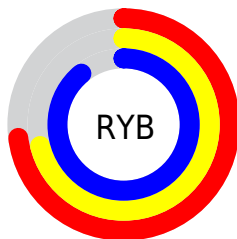
Distribution



Red (73%)

Green (71%)

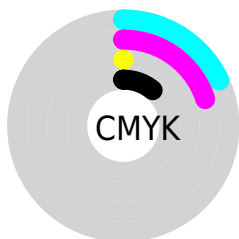
Blue (89%)



Red (73%)

Yellow (71%)

Blue (89%)

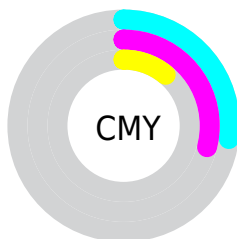


Cyan (18%)

Magenta (20%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (29%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0866, 49.5667, 79.5478 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 51.0866, 49.5667, 79.5478 by changing the saturation by 10% instead.

■ 51.0866, 49.5667,
79.5478

■ 51.0866, 49.5667,
79.5478

381.2823,
384.9690, 513.0741

■ 36.4989, 35.0692,
58.8223

■ 90.9650, 89.5325,
134.5354

■ 24.9916, 23.7162,
42.0510

116.9864,
115.7697, 169.6347

■ 16.1995, 15.1232,
28.8154

147.5496,
146.6889, 210.3622

■ 9.7572, 8.9059,
18.6968

183.0202,
182.6745, 257.1367

■ 5.2993, 4.6799,
11.2768

223.7634,
224.1109, 310.3766

■ 2.4605, 2.0607,
6.1369

270.1446,

■ 0.8754, 0.6424,

271.3826, 370.5004

2.8583

322.5291,
324.8738, 437.9267

■ 0.0000, 0.0000,
1.0228

■ 0.0000, 0.0000,
0.0000

■ 51.0866, 49.5667,
79.5478

■ 51.0866, 49.5667,
79.5478

■ 42.2149, 38.6434,
77.9078

■ 61.4086, 62.3588,
81.4737

■ 34.7239, 29.4953,
76.5368

■ 73.2371, 77.0950,
83.6946

■ 28.5450, 22.0302,
75.4216

■ 86.6310, 93.8542,
86.2236

■ 23.6020, 16.1450,
74.5462

■ 90.8653, 98.3261,
86.8636

■ 19.8109, 11.7252,
73.8929

■ 17.0768, 8.6407,
73.4416

■ 15.2894, 6.7381,
73.1686

■ 14.2849, 5.7689,
73.0344

■ 14.2715, 5.7555,
73.0326

Harmonies

Analogous

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



46.5616, 49.5667, 82.8891



51.0866, 49.5667, 79.5478



54.7421, 49.5667, 68.9997

Triad

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



51.0866, 49.5667, 79.5478



52.1028, 49.5667, 35.7508



38.9426, 49.5667, 52.4036

Complementary

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



51.0866, 49.5667, 79.5478



66.0383, 73.8463, 55.0313

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.



40.2254, 49.5667, 41.2980



51.0866, 49.5667, 79.5478



47.6661, 49.5667, 32.7062

Square

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



51.0866, 49.5667, 79.5478



55.3548, 49.5667, 43.6324



43.3485, 49.5667, 34.5624



39.7304, 49.5667, 65.8229

Rectangle

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



51.0866, 49.5667, 79.5478



56.0935, 49.5667, 60.0664



43.3485, 49.5667, 34.5624



39.1438, 49.5667, 48.3002

Sweetspot

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



51.0882, 49.5687, 79.5489



85.5340, 88.1349, 107.1113



59.4123, 68.0010, 82.6680



18.0955, 18.6002, 22.8864



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.



51.0882, 49.5687, 79.5489



61.2769, 58.0765, 102.5880



56.8892, 52.5593, 79.8204



13.7307, 13.9634, 18.1159



8.3712, 3.3814, 42.5946



0.6685, 0.2756, 3.1499

Inverse Universe

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



61.5928, 55.0626, 76.4909



77.4619, 66.5444, 97.7327



59.7335, 70.5961, 54.7362



14.9225, 14.5862, 17.7924



24.7046, 12.0160, 33.6688



1.8454, 0.8959, 2.5922

Previews

White Background



This preview shows how the XYZ color 51.0866, 49.5667, 79.5478 looks on a white background.

Color Contrast Check

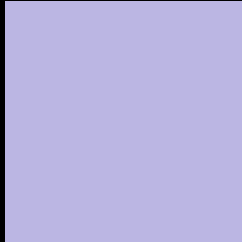
Large Text (above 18pt) WCAG AA × Fail

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 51.0866, 49.5667, 79.5478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

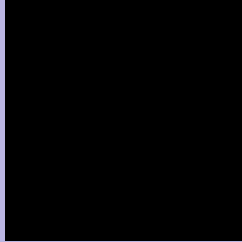
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0866, 49.5667, 79.5478

Background



This preview shows how black text looks on a background with the XYZ color 51.0866, 49.5667, 79.5478.



This preview shows how white text looks on a background with the XYZ color 51.0866, 49.5667,

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

51.0866, 49.5667, 79.5478

Protanopia

49.6233, 49.7022, 81.1068

Deuteranopia

50.8062, 49.7273, 79.5936



Tritanopia

47.6043, 49.7028, 62.3429

Trichromacy



Original Color

51.0866, 49.5667, 79.5478

Protanomaly

50.2001, 49.7062, 80.3472

Deuteranomaly

51.0483, 49.8521, 79.6049

Tritanomaly

48.7490, 49.5414, 67.9659

Monochromacy



Original Color

51.0866, 49.5667, 79.5478

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.0774, 50.1210, 63.5876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0866, 49.5667, 79.5478 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(187, 182, 227)` looks like.

```
.text, #text, p{  
    color:rgb(187, 182, 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(187, 182, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 182, 227) }
```

Border

The CSS property to change the border of an element to XYZ 51.0866, 49.5667, 79.5478 is called "border". The border property can be set on classes, ids or directly on the HTML element.

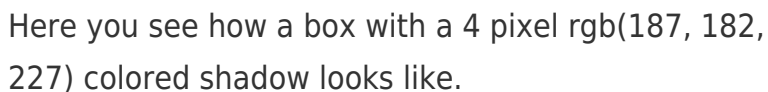
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 182, 227) }
```


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

```
.border{ border-color:rgb(187, 182, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 182, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 182, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 182, 227);  
box-shadow:4px 4px 4px 4px rgb(187, 182,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0866, 49.5667, 79.5478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 182, 227) }
```

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

```
.background{ background-color: rgb(187,  
182, 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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