

Converting Colors

XYZ(51.7849, 50.2318, 79.6394)

Have a look what the booklet for
XYZ(51.7849, 50.2318, 79.6394)
contains.

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Color

**XYZ(51.7849, 50.2318,
79.6394)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB7E3
RGB	189, 183, 227
RGB Percent	74%, 72%, 89%
CMY	0.2588, 0.2823, 0.1098
CMYK	0.17, 0.19, 0.00, 0.11
HSL	248°, 44%, 80%
HSV	248°, 19%, 89%
XYZ	51.7849, 50.2318, 79.6394
YIQ	189.8100, -10.5480, 14.9560

Conversions

Conversions Part 2

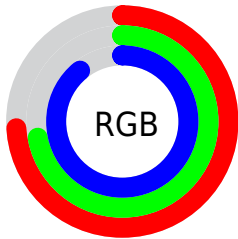
Format	Color
RYB	189, 183, 227
Decimal	12433379
CIELab	76.21, 10.91, -21.21
CIELCh	76, 23.856, 297.219
Yxy	50.2318, 0.2851, 0.2765
Android (android.graphics.Color)	4290623459 (0xFFBDB7E3)
YUV	189.8100, 18.3347, -0.7104
Hunter-Lab	70.8744, 6.3921, -17.0103

Details

The XYZ color **51.7849, 50.2318, 79.6394** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.8367, 73.7304, 55.5634**, and the grayscale version is **48.7378, 51.2759, 55.8395**.

A 20% lighter version of the original color is **86.9225, 88.5458, 107.1175**, and **25.4207, 24.0947, 42.3407** is the 20% darker color. If you saturate the color by 10%, you get **42.9364, 39.2722, 77.9912**, and if you desaturate by 10%, it is **62.0490, 63.0445, 81.5723**.

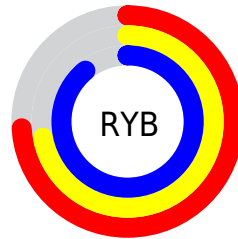
Distribution



Red (74%)

Green (72%)

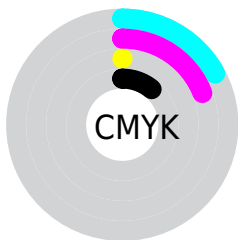
Blue (89%)



Red (74%)

Yellow (72%)

Blue (89%)

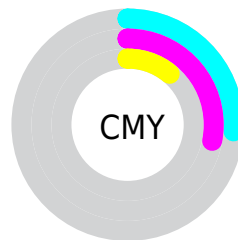


Cyan (17%)

Magenta (19%)

Yellow (0%)

Black (11%)



Cyan (26%)

Magenta (28%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7849, 50.2318, 79.6394 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 51.7849, 50.2318, 79.6394 by changing the saturation by 10% instead.

■ 51.7849, 50.2318,
79.6394

■ 51.7849, 50.2318,
79.6394

383.9432,
387.5717, 513.3914

■ 37.0572, 35.5976,
58.8972

■ 91.9900, 90.5182,
134.6654

■ 25.4257, 24.1236,
42.1109

118.1982,
116.9393, 169.7864

■ 16.5249, 15.4253,
28.8619

148.9640,
148.0580, 210.5374

■ 9.9895, 9.1184,
18.7317

184.6526,
184.2589, 257.3369

■ 5.4542, 4.8185,
11.3017

225.6295,
225.9263, 310.6036

■ 2.5536, 2.1412,
6.1535

272.2600,

■ 0.9224, 0.6876,

273.4447, 370.7558

2.8683

324.9095,
327.1984, 438.2123

■ 0.0000, 0.0000,
1.0278

■ 0.0000, 0.0000,
0.0000

■ 51.7849, 50.2318,
79.6394

■ 51.7849, 50.2318,
79.6394

■ 42.9364, 39.2722,
77.9912

■ 62.0490, 63.0445,
81.5723

■ 35.4365, 30.0739,
76.6110

■ 73.7825, 77.7844,
83.7990

■ 29.2196, 22.5462,
75.4857

■ 87.0420, 94.5289,
86.3322

■ 24.2131, 16.5881,
74.5995

■ 90.8653, 98.3261,
86.8636

■ 20.3366, 12.0875,
73.9351

■ 17.4998, 8.9171,
73.4727

■ 15.5982, 6.9275,
73.1889

■ 14.4812, 5.8862,
73.0468

■ 14.4288, 5.8366,
73.0400

Harmonies

Analogous

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



47.3280, 50.2318, 83.1552



51.7849, 50.2318, 79.6394



55.3424, 50.2318, 69.1364

Triad

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



51.7849, 50.2318, 79.6394



52.5512, 50.2318, 36.4957



39.6616, 50.2318, 53.5081

Complementary

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



51.7849, 50.2318, 79.6394



65.8367, 73.7304, 55.5634

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.



40.8747, 50.2318, 42.4173



51.7849, 50.2318, 79.6394



48.1621, 50.2318, 33.6038

Square

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



51.7849, 50.2318, 79.6394



55.8039, 50.2318, 44.1877



43.9186, 50.2318, 35.5912



40.4998, 50.2318, 66.7458

Rectangle

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



51.7849, 50.2318, 79.6394



56.6279, 50.2318, 60.3233



43.9186, 50.2318, 35.5912



39.8412, 50.2318, 49.4261

Sweetspot

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



51.7865, 50.2339, 79.6405



85.6664, 88.2031, 107.1175



59.2867, 67.3980, 82.5582



18.1267, 18.6163, 22.8879



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.



51.7865, 50.2339, 79.6405



62.8658, 59.7443, 102.8262



57.6260, 53.2443, 79.9138



13.7646, 13.9809, 18.1174



8.4709, 3.4328, 42.5993



0.6846, 0.2839, 3.1507

Inverse Universe

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



61.6647, 55.4203, 75.8556



77.8481, 67.6136, 96.9464



59.6064, 70.5186, 55.2718



14.9061, 14.5796, 17.7061



24.3214, 11.8628, 31.6512



1.8207, 0.8860, 2.4625

Previews

White Background



This preview shows how the XYZ color 51.7849, 50.2318, 79.6394 looks on a white background.

Color Contrast Check

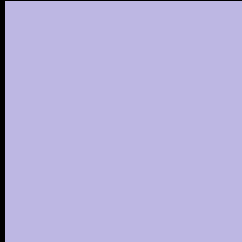
Large Text (above 18pt) WCAG AA × Fail

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 51.7849, 50.2318, 79.6394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

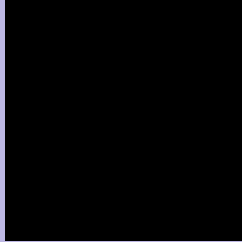
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7849, 50.2318, 79.6394

Background



This preview shows how black text looks on a background with the XYZ color 51.7849, 50.2318, 79.6394.



This preview shows how white text looks on a background with the XYZ color 51.7849, 50.2318,

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

51.7849, 50.2318, 79.6394

Protanopia

50.0619, 50.2399, 81.1875

Deuteranopia

51.4991, 50.3918, 79.6853



Tritanopia

48.4386, 50.1192, 62.9981

Trichromacy



Original Color

51.7849, 50.2318, 79.6394

Protanomaly

50.6440, 50.2444, 80.4277

Deuteranomaly

51.7447, 50.5184, 79.6968

Tritanomaly

49.5665, 50.2601, 68.7167

Monochromacy



Original Color

51.7849, 50.2318, 79.6394

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.7850, 50.7996, 63.6813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7849, 50.2318, 79.6394 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(189, 183, 227)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 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(189, 183, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 227) }
```

Border

The CSS property to change the border of an element to XYZ 51.7849, 50.2318, 79.6394 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(189, 183, 227) }
```


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

```
.border{ border-color:rgb(189, 183, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 227);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7849, 50.2318, 79.6394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 227) }
```

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

```
.background{ background-color: rgb(189,  
183, 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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