

Converting Colors

XYZ(52.8031, 51.3061, 83.0057)

Have a look what the booklet for
XYZ(52.8031, 51.3061, 83.0057)
contains.

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Color

**XYZ(52.7590, 51.2863,
82.7198)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB9E7
RGB	189, 185, 231
RGB Percent	74%, 73%, 91%
CMY	0.2588, 0.2745, 0.0941
CMYK	0.18, 0.20, 0.00, 0.09
HSL	245°, 49%, 82%
HSV	245°, 20%, 91%
XYZ	52.7590, 51.2863, 82.7198
YIQ	191.4400, -12.3820, 15.1540

Conversions

Conversions Part 2

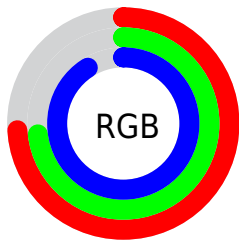
Format	Color
RYB	189, 185, 231
Decimal	12433895
CIELab	76.85, 10.69, -22.40
CIElCh	77, 24.825, 295.518
Yxy	51.2863, 0.2825, 0.2746
Android (android.graphics.Color)	4290623975 (0xFFBDB9E7)
YUV	191.4400, 19.5031, -2.1399
Hunter-Lab	71.6145, 6.1772, -18.3541

Details

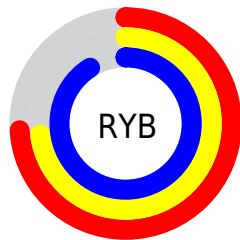
The XYZ color **52.7590, 51.2863, 82.7198** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.0132, 76.9868, 57.1239**, and the grayscale version is **49.6734, 52.2603, 56.9114**.

A 20% lighter version of the original color is **87.5113, 89.7234, 107.3138**, and **25.9808, 24.7486, 43.9651** is the 20% darker color. If you saturate the color by 10%, you get **43.4567, 39.8914, 81.0115**, and if you desaturate by 10%, it is **63.6106, 64.6478, 84.7277**.

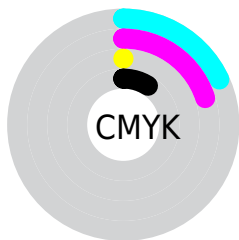
Distribution



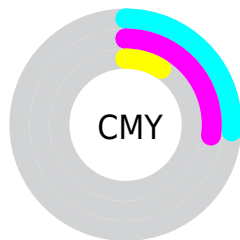
- Red (74%)
- Green (73%)
- Blue (91%)



- Red (74%)
- Yellow (73%)
- Blue (91%)



- Cyan (18%)
- Magenta (20%)
- Yellow (0%)
- Black (9%)



- Cyan (26%)
- Magenta (27%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7590, 51.2863, 82.7198 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 52.7590, 51.2863, 82.7198 by changing the saturation by 10% instead.

■ 52.7590, 51.2863,
82.7198

■ 52.7590, 51.2863,
82.7198

387.6358,
391.6751, 523.9987

■ 37.8371, 36.4365,
61.4198

■ 93.4173, 92.0778,
139.0287

■ 26.0329, 24.7715,
44.1313

119.8844,
118.7884, 174.8746

■ 16.9811, 15.9069,
30.4358

150.9306,
150.2213, 216.4062

■ 10.3162, 9.4583,
19.9147

186.9213,
186.7609, 264.0421

■ 5.6730, 5.0413,
12.1496

228.2218,
228.7917, 318.2007

■ 2.6860, 2.2715,
6.7219

275.1975,

■ 0.9900, 0.7586,

276.6981, 379.3007

3.2130

328.2137,
330.8644, 447.7605

■ 0.0000, 0.0000,
1.2044

■ 0.0000, 0.0000,
0.0000

■ 52.7590, 51.2863,
82.7198

■ 52.7590, 51.2863,
82.7198

■ 43.4567, 39.8914,
81.0115

■ 63.6106, 64.6478,
84.7277

■ 35.6281, 30.3643,
79.5852

■ 76.0725, 80.0560,
87.0450

■ 29.1990, 22.6070,
78.4267

■ 90.2086, 97.5943,
89.6852

■ 24.0863, 16.5100,
77.5193

■ 91.4240, 98.5496,
89.8055

■ 20.1983, 11.9518,
76.8444

■ 17.4316, 8.7939,
76.3807

■ 15.6651, 6.8733,
76.1031

■ 14.7200, 5.9255,
75.9700

■ 14.7140, 5.9191,
75.9691

Harmonies

Analogous

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



48.0406, 51.2863, 85.9506



52.7590, 51.2863, 82.7198



56.6119, 51.2863, 71.8786

Triad

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



52.7590, 51.2863, 82.7198



54.0640, 51.2863, 37.0490



40.2507, 51.2863, 53.8363

Complementary

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



52.7590, 51.2863, 82.7198



69.0132, 76.9868, 57.1239

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.



41.6448, 51.2863, 42.3880



52.7590, 51.2863, 82.7198



49.4584, 51.2863, 33.7410

Square

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



52.7590, 51.2863, 82.7198



57.3988, 51.2863, 45.3820



44.9420, 51.2863, 35.5259



41.0098, 51.2863, 67.7973

Rectangle

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



52.7590, 51.2863, 82.7198



58.0666, 51.2863, 62.5939



44.9420, 51.2863, 35.5259



40.4804, 51.2863, 49.5941

Sweetspot

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



52.7606, 51.2884, 82.7210



85.4076, 88.0697, 107.1054



61.9476, 71.1145, 86.0636



18.0658, 18.5849, 22.8850



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.



52.7606, 51.2884, 82.7210



60.8821, 57.8730, 102.5695



58.8779, 54.4420, 83.0072



13.6984, 13.9467, 18.1143



8.2917, 3.3404, 42.5909



0.6530, 0.2676, 3.1492

Inverse Universe

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



64.1708, 57.2351, 80.3407



77.6926, 66.6367, 98.9476



62.2820, 73.5167, 56.8089



14.9382, 14.5925, 17.8752



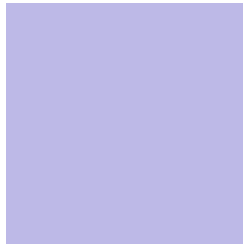
25.0846, 12.1681, 35.6701



1.8696, 0.9056, 2.7200

Previews

White Background



This preview shows how the XYZ color 52.7590, 51.2863, 82.7198 looks on a white background.

Color Contrast Check

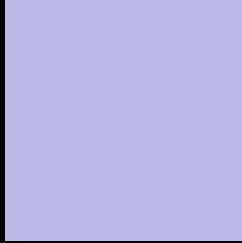
Large Text (above 18pt) WCAG AA × Fail

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 52.7590, 51.2863, 82.7198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

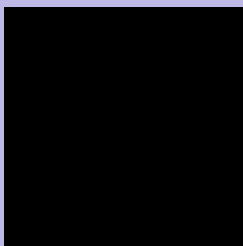
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.7590, 51.2863, 82.7198

Background



This preview shows how black text looks on a background with the XYZ color 52.7590, 51.2863, 82.7198.



This preview shows how white text looks on a background with the XYZ color 52.7590, 51.2863,

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

52.7590, 51.2863, 82.7198

Protanopia

51.2816, 51.4333, 84.3156

Deuteranopia

52.4762, 51.4521, 82.7668



Tritanopia

49.2001, 51.4250, 65.0905

Trichromacy



Original Color

52.7590, 51.2863, 82.7198

Protanomaly

51.8643, 51.4341, 83.5382

Deuteranomaly

52.7217, 51.5787, 82.7783

Tritanomaly

50.3705, 51.2606, 70.8578

Monochromacy



Original Color

52.7590, 51.2863, 82.7198

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.5734, 51.7986, 65.7251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7590, 51.2863, 82.7198 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, 185, 231)` looks like.

```
.text, #text, p{  
    color:rgb(189, 185, 231)  
}
```

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, 185, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 185, 231) }
```

Border

The CSS property to change the border of an element to XYZ 52.7590, 51.2863, 82.7198 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, 185, 231) }
```


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

```
.border{ border-color:rgb(189, 185, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 185, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 185, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 185, 231);  
box-shadow:4px 4px 4px 4px rgb(189, 185,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7590, 51.2863, 82.7198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 185, 231) }
```

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

```
.background{ background-color: rgb(189,  
185, 231) }
```

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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