

Converting Colors

XYZ(52.9688, 51.4456, 83.4565)

Have a look what the booklet for
XYZ(52.9688, 51.4456, 83.4565)
contains.

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Color

**XYZ(52.9007, 51.3429,
83.4659)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB9E8
RGB	189, 185, 232
RGB Percent	74%, 73%, 91%
CMY	0.2588, 0.2745, 0.0902
CMYK	0.19, 0.20, 0.00, 0.09
HSL	245°, 51%, 82%
HSV	245°, 20%, 91%
XYZ	52.9007, 51.3429, 83.4659
YIQ	191.5540, -12.7030, 15.4650

Conversions

Conversions Part 2

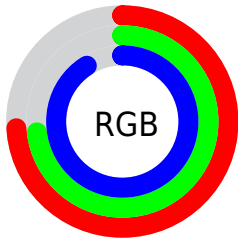
Format	Color
R _Y B	189, 185, 232
Decimal	12433896
CIE Lab	76.89, 10.91, -22.89
CIE LCh	77, 25.360, 295.492
Yxy	51.3429, 0.2818, 0.2735
Android (android.graphics.Color)	4290623976 (0xFFBDB9E8)
YUV	191.5540, 19.9399, -2.2399
Hunter-Lab	71.6540, 6.3886, -18.9060

Details

The XYZ color **52.9007, 51.3429, 83.4659** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.6101, 77.7112, 57.2321**, and the grayscale version is **49.7373, 52.3275, 56.9846**.

A 20% lighter version of the original color is **87.5113, 89.7234, 107.3138**, and **26.0794, 24.7880, 44.4843** is the 20% darker color. If you saturate the color by 10%, you get **43.5523, 39.8982, 81.7504**, and if you desaturate by 10%, it is **63.8148, 64.7729, 85.4837**.

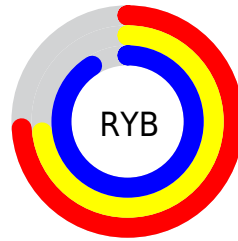
Distribution



Red (74%)

Green (73%)

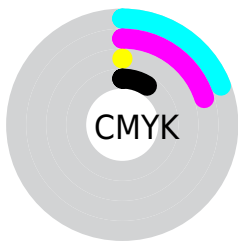
Blue (91%)



Red (74%)

Yellow (73%)

Blue (91%)

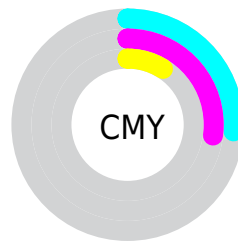


Cyan (19%)

Magenta (20%)

Yellow (0%)

Black (9%)



Cyan (26%)

Magenta (27%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9007, 51.3429, 83.4659 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 52.9007, 51.3429, 83.4659 by changing the saturation by 10% instead.

■ 52.9007, 51.3429,
83.4659

■ 52.9007, 51.3429,
83.4659

388.1711,
391.8946, 526.5496

■ 37.9507, 36.4816,
62.0317

■ 93.6246, 92.1614,
140.0829

■ 26.1214, 24.8064,
44.6224

120.1292,
118.8874, 176.1027

■ 17.0477, 15.9328,
30.8193

151.2161,
150.3371, 217.8216

■ 10.3640, 9.4766,
20.2040

187.2505,
186.8949, 265.6580

■ 5.7051, 5.0534,
12.3579

228.5978,
228.9451, 320.0304

■ 2.7055, 2.2786,
6.8624

275.6235,

■ 1.0000, 0.7624,

276.8722, 381.3575

3.2991

328.6928,
331.0606, 450.0577

■ 0.0000, 0.0000,
1.2493

■ 0.0000, 0.0000,
0.0197

■ 52.9007, 51.3429,
83.4659

■ 52.9007, 51.3429,
83.4659

■ 43.5523, 39.8982,
81.7504

■ 63.8148, 64.7729,
85.4837

■ 35.6930, 30.3385,
80.3194

■ 76.3569, 80.2694,
87.8138

■ 29.2473, 22.5644,
79.1586

■ 90.5916, 97.9170,
90.4699

■ 24.1307, 16.4648,
78.2509

■ 91.5656, 98.6063,
90.5516

■ 20.2499, 11.9161,
77.5775

■ 17.4994, 8.7776,
77.1167

■ 15.7556, 6.8830,
76.8429

■ 14.8488, 5.9722,
76.7149

Harmonies

Analogous

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



48.0746, 51.3429, 86.7789



52.9007, 51.3429, 83.4659



56.8472, 51.3429, 72.3395

Triad

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



52.9007, 51.3429, 83.4659



54.2442, 51.3429, 36.7504



40.1268, 51.3429, 53.8420

Complementary

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



52.9007, 51.3429, 83.4659



69.6101, 77.7112, 57.2321

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.



41.5503, 51.3429, 42.1674



52.9007, 51.3429, 83.4659



49.5324, 51.3429, 33.3877

Square

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



52.9007, 51.3429, 83.4659



57.6581, 51.3429, 45.2350



44.9167, 51.3429, 35.1946



40.8989, 51.3429, 68.1304

Rectangle

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



52.9007, 51.3429, 83.4659



58.3392, 51.3429, 62.8244



44.9167, 51.3429, 35.1946



40.3616, 51.3429, 49.5109

Sweetspot

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



52.9023, 51.3450, 83.4671



85.3980, 88.0648, 107.1050



62.3409, 71.6744, 86.8936



18.0635, 18.5837, 22.8849



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.



52.9023, 51.3450, 83.4671



60.8523, 57.8576, 102.5681



59.1878, 54.5853, 83.7612



13.6959, 13.9455, 18.1142



8.2862, 3.3376, 42.5907



0.6519, 0.2670, 3.1491

Inverse Universe

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



64.6328, 57.4572, 81.0846



77.7102, 66.6438, 99.0403



62.6771, 74.1371, 56.9076



14.9394, 14.5930, 17.8815



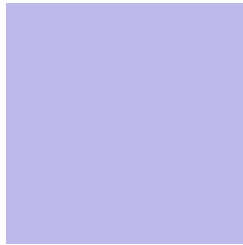
25.1140, 12.1798, 35.8251



1.8715, 0.9063, 2.7299

Previews

White Background



This preview shows how the XYZ color 52.9007, 51.3429, 83.4659 looks on a white background.

Color Contrast Check

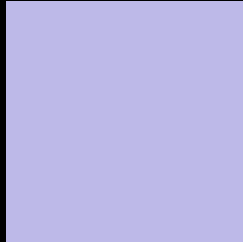
Large Text (above 18pt) WCAG AA × Fail

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 52.9007, 51.3429, 83.4659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

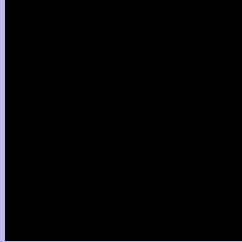
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.9007, 51.3429, 83.4659

Background



This preview shows how black text looks on a background with the XYZ color 52.9007, 51.3429, 83.4659.



This preview shows how white text looks on a background with the XYZ color 52.9007, 51.3429,

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

52.9007, 51.3429, 83.4659

Protanopia

51.4249, 51.4907, 85.0702

Deuteranopia

52.6179, 51.5088, 83.5129



Tritanopia

49.2001, 51.4250, 65.0905

Trichromacy



Original Color

52.9007, 51.3429, 83.4659

Protanomaly

52.0067, 51.4911, 84.2885

Deuteranomaly

52.8634, 51.6354, 83.5244

Tritanomaly

50.4987, 51.3118, 71.5326

Monochromacy



Original Color

52.9007, 51.3429, 83.4659

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.9459, 51.9766, 66.3788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9007, 51.3429, 83.4659 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(189, 185, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 185, 232) }
```

Border

The CSS property to change the border of an element to XYZ 52.9007, 51.3429, 83.4659 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, 232) }
```


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

```
.border{ border-color:rgb(189, 185, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 185, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 185, 232);  
box-shadow:4px 4px 4px 4px rgb(189, 185,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9007, 51.3429, 83.4659 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, 232) }
```

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

```
.background{ background-color: rgb(189,  
185, 232) }
```

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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