

# Converting Colors

XYZ(51.6847, 50.1142, 85.0824)

Have a look what the booklet for  
XYZ(51.6847, 50.1142, 85.0824)  
contains.

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# Color

**XYZ(51.5519, 49.9978,  
84.7754)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8B7EA
RGB	184, 183, 234
RGB Percent	72%, 72%, 92%
CMY	0.2784, 0.2823, 0.0823
CMYK	0.21, 0.22, 0.00, 0.08
HSL	241°, 55%, 82%
HSV	241°, 22%, 92%
XYZ	51.5519, 49.9978, 84.7754
YIQ	189.1130, -15.7750, 16.0730

# Conversions

## Conversions Part 2

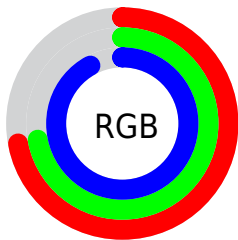
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 183, 234
Decimal	12105706
CIE <sub>Lab</sub>	76.07, 10.92, -25.25
CIE <sub>LCh</sub>	76, 27.513, 293.376
Yxy	49.9978, 0.2767, 0.2683
Android (android.graphics.Color)	4290295786 (0xFFB8B7EA)
YUV	189.1130, 22.1293, -4.4841
Hunter-Lab	70.7091, 6.3980, -21.5883

# Details

The XYZ color **51.5519, 49.9978, 84.7754** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.5759, 79.5894, 56.3917**, and the grayscale version is **48.3195, 50.8359, 55.3603**.

A 20% lighter version of the original color is **85.1921, 87.6538, 107.0365**, and **25.2244, 23.9254, 45.4081** is the 20% darker color. If you saturate the color by 10%, you get **42.0638, 38.5284, 83.0625**, and if you desaturate by 10%, it is **62.7367, 63.5354, 86.7997**.

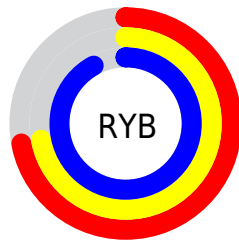
# Distribution



Red (72%)

Green (72%)

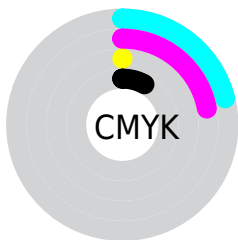
Blue (92%)



Red (72%)

Yellow (72%)

Blue (92%)

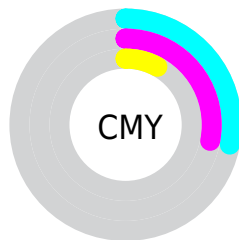


Cyan (21%)

Magenta (22%)

Yellow (0%)

Black (8%)



Cyan (28%)

Magenta (28%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5519, 49.9978, 84.7754 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 51.5519, 49.9978, 84.7754 by changing the saturation by 10% instead.



■ 51.5519, 49.9978,  
84.7754

■ 51.5519, 49.9978,  
84.7754

383.0567,  
386.6573, 531.0098

■ 36.8709, 35.4116,  
63.1067

■ 91.6482, 90.1716,  
141.9307

■ 25.2807, 23.9801,  
45.4860

117.7942,  
116.5281, 178.2544

■ 16.4162, 15.3189,  
31.4947

148.4925,  
147.5768, 220.3003

■ 9.9118, 9.0435,  
20.7142

184.1085,  
183.7021, 268.4867

■ 5.4024, 4.7696,  
12.7261

225.0075,  
225.2884, 323.2324

■ 2.5224, 2.1127,  
7.1117

271.5550,

■ 0.9066, 0.6718,

272.7201, 384.9557

3.4525

324.1163,  
326.3816, 454.0754

■ 0.0000, 0.0000,  
1.3301

■ 0.0000, 0.0000,  
0.0863

■ 51.5519, 49.9978,  
84.7754

■ 51.5519, 49.9978,  
84.7754

■ 42.0638, 38.5284,  
83.0625

■ 62.7367, 63.5354,  
86.7997

■ 34.1852, 29.0197,  
81.6424

■ 75.6904, 79.2295,  
89.1463

■ 27.8282, 21.3639,  
80.4997

■ 90.4868, 97.1706,  
91.8294

■ 22.8946, 15.4401,  
79.6163

■ 91.8514, 98.7206,  
92.0567

■ 19.2749, 11.1133,  
78.9720

■ 16.8436, 8.2286,  
78.5433

■ 15.4506, 6.6003,  
78.3024

■ 14.9088, 5.9701,  
78.2093

# Harmonies

## Analogous

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



46.3904, 49.9978, 87.6756



51.5519, 49.9978, 84.7754



55.9035, 49.9978, 73.1318

# Triad

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



51.5519, 49.9978, 84.7754



53.6649, 49.9978, 34.7346



38.3641, 49.9978, 51.2389

# Complementary

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



51.5519, 49.9978, 84.7754



71.5759, 79.5894, 56.3917

# 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.



40.0221, 49.9978, 39.2384



51.5519, 49.9978, 84.7754



48.6706, 49.9978, 30.8845

# Square

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



51.5519, 49.9978, 84.7754



57.1836, 49.9978, 43.9625



43.7067, 49.9978, 32.3705



39.0139, 49.9978, 66.4604



# Rectangle

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



51.5519, 49.9978, 84.7754



57.6353, 49.9978, 62.9453



43.7067, 49.9978, 32.3705



38.6659, 49.9978, 46.7359

# Sweetspot

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



51.5535, 49.9998, 84.7765



83.4697, 85.9659, 106.8015



63.5626, 74.3718, 88.8479



17.6632, 18.1546, 22.8232



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.



51.5535, 49.9998, 84.7765



57.4179, 54.4332, 102.0881



58.1801, 53.4160, 85.0867



14.2585, 14.5630, 18.9817



8.3900, 3.3611, 43.9495



0.6685, 0.2689, 3.4515



# Inverse Universe

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



65.5747, 57.2446, 84.6859



77.2148, 64.6629, 101.9273



63.8856, 75.6249, 56.0318



15.7013, 15.3084, 18.9786



27.0540, 13.0243, 42.9474

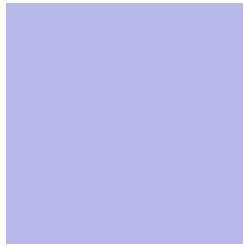


2.1285, 1.0244, 3.3939



# Previews

## White Background



This preview shows how the XYZ color 51.5519, 49.9978, 84.7754 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

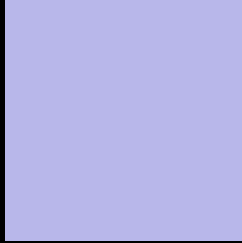
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.5519, 49.9978, 84.7754 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 51.5519, 49.9978, 84.7754

## Background



This preview shows how black text looks on a background with the XYZ color 51.5519, 49.9978, 84.7754.



This preview shows how white text looks on a background with the XYZ color 51.5519, 49.9978,



# 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

51.5519, 49.9978, 84.7754

### Protanopia

50.1685, 49.8680, 86.3382

### Deuteranopia

51.2832, 50.1666, 84.8221



## Tritanopia

47.1228, 49.7432, 63.6177

# Trichromacy



## Original Color

51.5519, 49.9978, 84.7754

## Protanomaly

50.4960, 49.7441, 85.5374

## Deuteranomaly

51.5202, 50.2888, 84.8332

## Tritanomaly

48.5189, 49.6761, 70.6496

# Monochromacy



## Original Color

51.5519, 49.9978, 84.7754

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.2833, 50.5132, 64.9101

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5519, 49.9978, 84.7754 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(184, 183, 234)` looks like.

```
.text, #text, p{  
    color:rgb(184, 183, 234)  
}
```

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(184, 183, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 183, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5519, 49.9978, 84.7754 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(184, 183, 234) }
```



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

```
.border{ border-color:rgb(184, 183, 234) }
```

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

Here you see how a box with a 4 pixel rgb(184, 183, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 183, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 183, 234);  
box-shadow:4px 4px 4px 4px rgb(184, 183,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5519, 49.9978, 84.7754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 183, 234) }
```

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

```
.background{ background-color: rgb(184,  
183, 234) }
```

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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