

Converting Colors

XYZ(50.8443, 47.2973, 83.4713)

Have a look what the booklet for
XYZ(50.8443, 47.2973, 83.4713)
contains.

| | |
|--|----|
| XYZ(50.7770, 47.2345, 83.5317) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(50.7770, 47.2345,
83.5317)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BCAFE9 |
| RGB | 188, 175, 233 |
| RGB Percent | 74%, 69%, 91% |
| CMY | 0.2627, 0.3137, 0.0863 |
| CMYK | 0.19, 0.25, 0.00, 0.09 |
| HSL | 253°, 57%, 80% |
| HSV | 253°, 25%, 91% |
| XYZ | 50.7770, 47.2345, 83.5317 |
| YIQ | 185.4990, -10.8700, 20.7940 |

Conversions

Conversions Part 2

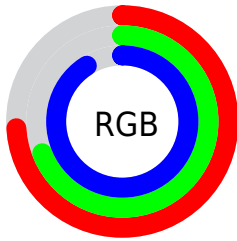
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 188, 175, 233 |
| Decimal | 12365801 |
| CIE _{Lab} | 74.34, 16.31, -27.33 |
| CIE _{LCh} | 74, 31.829, 300.832 |
| Yxy | 47.2345, 0.2797, 0.2602 |
| Android (android.graphics.Color) | 4290555881 (0xFFBCAFE9) |
| YUV | 185.4990, 23.4180, 2.1934 |
| Hunter-Lab | 68.7274, 11.6061, -23.9523 |

Details

The XYZ color **50.7770, 47.2345, 83.5317** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.3934, 76.5897, 51.8435**, and the grayscale version is **46.2711, 48.6808, 53.0134**.

A 20% lighter version of the original color is **84.2821, 83.7843, 106.3376**, and **24.8503, 22.4086, 44.6105** is the 20% darker color. If you saturate the color by 10%, you get **42.4496, 36.7814, 81.9537**, and if you desaturate by 10%, it is **60.4477, 59.5439, 85.3987**.

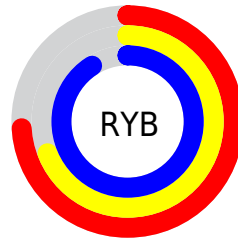
Distribution



Red (74%)

Green (69%)

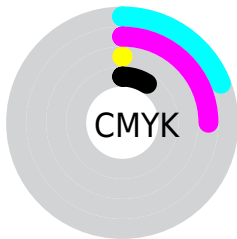
Blue (91%)



Red (74%)

Yellow (69%)

Blue (91%)

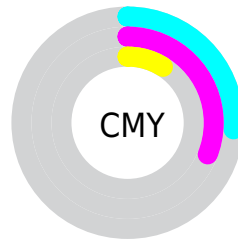


Cyan (19%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (26%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7770, 47.2345, 83.5317 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 50.7770, 47.2345, 83.5317 by changing the saturation by 10% instead.

■ 50.7770, 47.2345,
83.5317

■ 50.7770, 47.2345,
83.5317

380.0987,
375.7498, 526.7742

■ 36.2515, 33.2211,
62.0857

■ 90.5100, 86.0636,
140.1758

■ 24.7995, 22.2959,
44.6657

116.4482,
111.6480, 176.2110

■ 16.0557, 14.0745,
30.8532

146.9214,
141.8582, 217.9463

■ 9.6547, 8.1725,
20.2296

182.2948,
177.0786, 265.8003

■ 5.2311, 4.2055,
12.3763

222.9339,
217.6935, 320.1916

■ 2.4196, 1.7892,
6.8748

269.2040,

■ 0.8549, 0.4804,

264.0874, 381.5386

3.3067

321.4705,
316.6447, 450.2600

■ 0.0000, 0.0000,
1.2533

■ 0.0000, 0.0000,
0.0230

■ 50.7770, 47.2345,
83.5317

■ 50.7770, 47.2345,
83.5317

■ 42.4496, 36.7814,
81.9537

■ 60.4477, 59.5439,
85.3987

■ 35.4003, 28.0877,
80.6472

■ 71.5140, 73.7884,
87.5649

■ 29.5649, 21.0569,
79.5977

■ 84.0307, 90.0493,
90.0439

■ 24.8720, 15.5801,
78.7879

■ 91.7081, 98.6632,
91.3019

■ 21.2420, 11.5356,
78.1985

■ 18.5843, 8.7826,
77.8073

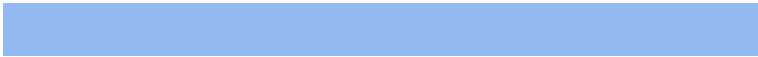
■ 16.7911, 7.1505,
77.5867

■ 16.1357, 6.6192,
77.5187

Harmonies

Analogous

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



45.0550, 47.2345, 89.8361



50.7770, 47.2345, 83.5317



55.2104, 47.2345, 68.3779

Triad

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



50.7770, 47.2345, 83.5317



50.4770, 47.2345, 28.5197



34.7623, 47.2345, 51.8895

Complementary

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



50.7770, 47.2345, 83.5317



66.3934, 76.5897, 51.8435

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.



35.9518, 47.2345, 37.5436



50.7770, 47.2345, 83.5317



44.7353, 47.2345, 25.9075

Square

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



50.7770, 47.2345, 83.5317



55.0271, 47.2345, 36.9044



39.4857, 47.2345, 28.8299



36.0898, 47.2345, 69.3411

Rectangle

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



50.7770, 47.2345, 83.5317



56.6639, 47.2345, 56.6192



39.4857, 47.2345, 28.8299



34.8801, 47.2345, 46.5686

Sweetspot

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



50.7785, 47.2364, 83.5328



84.7047, 86.6026, 106.8593



58.0957, 66.4127, 86.8485



17.9482, 18.3015, 22.8365



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.



50.7785, 47.2364, 83.5328



56.7429, 50.9484, 101.4511



58.5260, 51.2304, 83.8953



14.5470, 14.7117, 18.9952



9.2433, 3.8010, 43.9895



0.8070, 0.3403, 3.4580

Inverse Universe

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



61.8539, 53.1527, 74.7113



72.6713, 59.4646, 88.4245



58.4732, 72.5067, 51.4728



15.5619, 15.2526, 18.2444



23.8363, 11.7372, 26.0031



1.9072, 0.9358, 2.2284

Previews

White Background



This preview shows how the XYZ color 50.7770, 47.2345, 83.5317 looks on a white background.

Color Contrast Check

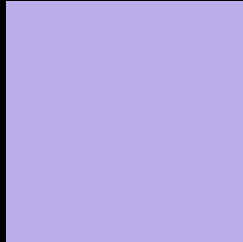
Large Text (above 18pt) WCAG AA × Fail

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 50.7770, 47.2345, 83.5317 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 50.7770, 47.2345, 83.5317

Background



This preview shows how black text looks on a background with the XYZ color 50.7770, 47.2345, 83.5317.



This preview shows how white text looks on a background with the XYZ color 50.7770, 47.2345,

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

50.7770, 47.2345, 83.5317

Protanopia

47.9584, 47.4870, 86.7590

Deuteranopia

48.3648, 47.1804, 82.9016



Tritanopia

45.7478, 47.2652, 58.9365

Trichromacy



Original Color

50.7770, 47.2345, 83.5317

Protanomaly

48.9396, 47.4103, 85.9286

Deuteranomaly

49.3083, 47.3703, 82.8885

Tritanomaly

47.3959, 47.0340, 66.9020

Monochromacy



Original Color

50.7770, 47.2345, 83.5317

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.0010, 48.3325, 63.2991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7770, 47.2345, 83.5317 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(188, 175, 233)` looks like.

```
.text, #text, p{  
    color:rgb(188, 175, 233)  
}
```

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(188, 175, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 175, 233) }
```

Border

The CSS property to change the border of an element to XYZ 50.7770, 47.2345, 83.5317 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(188, 175, 233) }
```


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

```
.border{ border-color:rgb(188, 175, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 175, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 175, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 175, 233);  
box-shadow:4px 4px 4px 4px rgb(188, 175,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7770, 47.2345, 83.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 175, 233) }
```

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

```
.background{ background-color: rgb(188,  
175, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor