

Converting Colors

XYZ(52.2488, 47.7891, 92.8571)

Have a look what the booklet for
XYZ(52.2488, 47.7891, 92.8571)
contains.

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Color

**XYZ(52.3049, 47.8173,
92.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	BBAFF5
RGB	187, 175, 245
RGB Percent	73%, 69%, 96%
CMY	0.2667, 0.3137, 0.0392
CMYK	0.24, 0.29, 0.00, 0.04
HSL	250°, 78%, 82%
HSV	250°, 29%, 96%
XYZ	52.3049, 47.8173, 92.8591
YIQ	186.5680, -15.3180, 24.3140

Conversions

Conversions Part 2

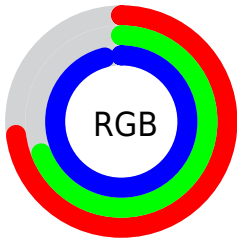
Format	Color
RYB	187, 175, 245
Decimal	12300277
CIELab	74.71, 18.75, -33.27
CIELCh	75, 38.187, 299.402
Yxy	47.8173, 0.2710, 0.2478
Android (android.graphics.Color)	4290490357 (0xFFBBAFF5)
YUV	186.5680, 28.8070, 0.3789
Hunter-Lab	69.1501, 14.0043, -31.2134

Details

The XYZ color **52.3049, 47.8173, 92.8591** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.9959, 85.7247, 53.2059**, and the grayscale version is **46.8415, 49.2809, 53.6669**.

A 20% lighter version of the original color is **83.9341, 83.6049, 106.3213**, and **25.8329, 22.7833, 50.6130** is the 20% darker color. If you saturate the color by 10%, you get **43.3421, 36.7496, 91.1960**, and if you desaturate by 10%, it is **62.8380, 60.9809, 94.8456**.

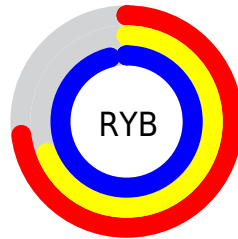
Distribution



Red (73%)

Green (69%)

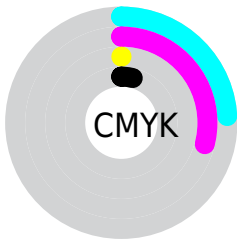
Blue (96%)



Red (73%)

Yellow (69%)

Blue (96%)

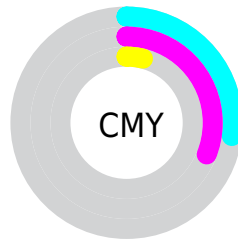


Cyan (24%)

Magenta (29%)

Yellow (0%)

Black (4%)



Cyan (27%)

Magenta (31%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3049, 47.8173, 92.8591 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 52.3049, 47.8173, 92.8591 by changing the saturation by 10% instead.

■ 52.3049, 47.8173,
92.8591

■ 52.3049, 47.8173,
92.8591

385.9172,
378.0675, 558.0965

■ 37.4734, 33.6822,
69.7674

■ 92.7523, 86.9323,
153.2735

■ 25.7496, 22.6496,
50.8613

119.0990,
112.6811, 191.4334

■ 16.7681, 14.3350,
35.7223

150.0147,
143.0698, 235.4529

■ 10.1636, 8.3540,
23.9318

185.8649,
178.4830, 285.7508

■ 5.5706, 4.3223,
15.0713

227.0149,
219.3049, 342.7456

■ 2.6240, 1.8554,
8.7223

273.8300,

■ 0.9582, 0.5214,

265.9200, 406.8558

4.4661

326.6757,
318.7128, 478.4999

■ 0.0000, 0.0000,
1.8844

■ 0.0000, 0.0000,
0.4828

■ 52.3049, 47.8173,
92.8591

■ 52.3049, 47.8173,
92.8591

■ 43.3421, 36.7496,
91.1960

■ 62.8380, 60.9809,
94.8456

■ 35.8686, 27.6632,
89.8361

■ 75.0075, 76.3353,
97.1679

■ 29.8035, 20.4415,
88.7618

■ 88.8814, 93.9767,
99.8418

■ 25.0560, 14.9529,
87.9526

■ 93.4816, 99.3726,
100.6408

■ 21.5242, 11.0486,
87.3852

■ 19.0902, 8.5540,
87.0319

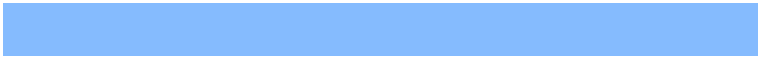
■ 17.5974, 7.2243,
86.8540

■ 17.4364, 7.0848,
86.8355

Harmonies

Analogous

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



45.3100, 47.8173, 100.2692



52.3049, 47.8173, 92.8591



57.9019, 47.8173, 73.9901

Triad

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



52.3049, 47.8173, 92.8591



52.5698, 47.8173, 25.6536



33.3912, 47.8173, 51.6678

Complementary

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



52.3049, 47.8173, 92.8591



73.9959, 85.7247, 53.2059

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.



34.9232, 47.8173, 34.9651



52.3049, 47.8173, 92.8591



45.5881, 47.8173, 22.4825

Square

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



52.3049, 47.8173, 92.8591



58.0654, 47.8173, 35.4966



39.2198, 47.8173, 25.4060



34.8067, 47.8173, 73.1219

Rectangle

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



52.3049, 47.8173, 92.8591



59.8351, 47.8173, 59.3989



39.2198, 47.8173, 25.4060



33.5759, 47.8173, 45.3609

Sweetspot

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



52.3065, 47.8192, 92.8602



81.5075, 82.7915, 106.2922



63.3954, 74.1746, 97.3629



17.0081, 17.1666, 22.6670



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.



52.3065, 47.8192, 92.8602



51.6751, 45.4233, 100.6518



61.8351, 52.7314, 93.3061



15.8459, 16.0632, 20.8079



9.4718, 3.8572, 46.7833



0.9062, 0.3770, 4.1152

Inverse Universe

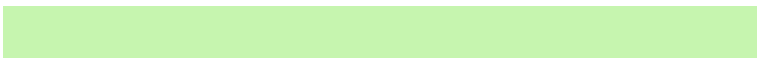
The Inverse Universe completely reimagines the original color for something new.



67.6955, 55.9574, 84.3252



71.0467, 55.6756, 89.5474



63.7684, 80.4522, 52.7273



17.0845, 16.7167, 20.1917



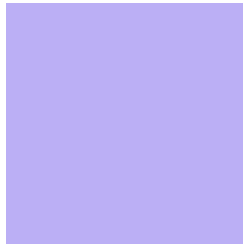
26.1389, 12.7990, 31.7695



2.3288, 1.1375, 2.9581

Previews

White Background



This preview shows how the XYZ color 52.3049, 47.8173, 92.8591 looks on a white background.

Color Contrast Check

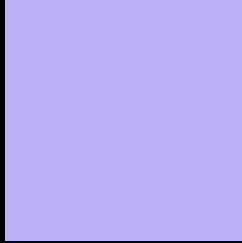
Large Text (above 18pt) WCAG AA × Fail

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 52.3049, 47.8173, 92.8591 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 52.3049, 47.8173, 92.8591

Background



This preview shows how black text looks on a background with the XYZ color 52.3049, 47.8173, 92.8591.

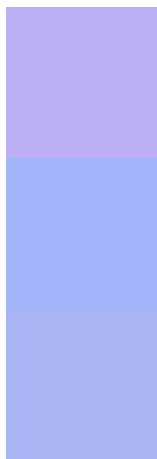


This preview shows how white text looks on a background with the XYZ color 52.3049, 47.8173,

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

52.3049, 47.8173, 92.8591

Protanopia

49.0890, 47.8424, 97.0897

Deuteranopia

49.2152, 48.0144, 92.2617



Tritanopia

45.6936, 47.8232, 60.2486

Trichromacy



Original Color

52.3049, 47.8173, 92.8591

Protanomaly

50.0766, 47.7882, 95.3917

Deuteranomaly

50.3537, 48.0020, 92.1993

Tritanomaly

47.8457, 47.7778, 70.9903

Monochromacy



Original Color

52.3049, 47.8173, 92.8591

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.8122, 48.9858, 66.5570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3049, 47.8173, 92.8591 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(187, 175, 245)` looks like.

```
.text, #text, p{  
    color:rgb(187, 175, 245)  
}
```

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(187, 175, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 175, 245) }
```

Border

The CSS property to change the border of an element to XYZ 52.3049, 47.8173, 92.8591 is called "border". The border property can be set on classes, ids or directly on the HTML element.

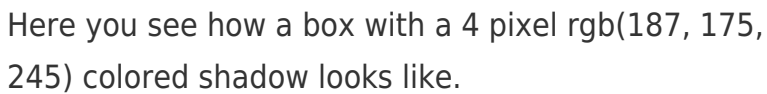
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 175, 245) }
```


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

```
.border{ border-color:rgb(187, 175, 245) }
```

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



Here you see how a box with a 4 pixel rgb(187, 175, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 175, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 175, 245);  
box-shadow:4px 4px 4px 4px rgb(187, 175,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3049, 47.8173, 92.8591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 175, 245) }
```

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

```
.background{ background-color: rgb(187,  
175, 245) }
```

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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