

# Converting Colors

XYZ(52.9818, 48.1850, 92.0995)

Have a look what the booklet for  
XYZ(52.9818, 48.1850, 92.0995)  
contains.

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# Color

**XYZ(52.8943, 48.1387,  
92.0918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEAFF4
RGB	190, 175, 244
RGB Percent	75%, 69%, 96%
CMY	0.2549, 0.3137, 0.0431
CMYK	0.22, 0.28, 0.00, 0.04
HSL	253°, 76%, 82%
HSV	253°, 28%, 96%
XYZ	52.8943, 48.1387, 92.0918
YIQ	187.3510, -13.2090, 24.6390

# Conversions

## Conversions Part 2

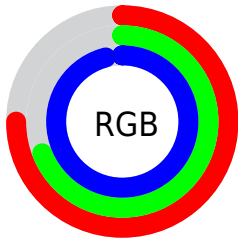
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 175, 244
Decimal	12496884
CIE <sub>Lab</sub>	74.91, 19.41, -32.39
CIE <sub>LCh</sub>	75, 37.763, 300.924
Yxy	48.1387, 0.2739, 0.2493
Android (android.graphics.Color)	4290686964 (0xFFBEAFF4)
YUV	187.3510, 27.9280, 2.3232
Hunter-Lab	69.3821, 14.6632, -30.1290

# Details

The XYZ color **52.8943, 48.1387, 92.0918** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.4029, 84.4556, 53.0449**, and the grayscale version is **47.2860, 49.7486, 54.1762**.

A 20% lighter version of the original color is **84.9837, 84.1460, 106.3704**, and **26.1517, 22.9477, 50.6279** is the 20% darker color. If you saturate the color by 10%, you get **44.1065, 37.1851, 90.4415**, and if you desaturate by 10%, it is **63.1682, 61.1344, 94.0595**.

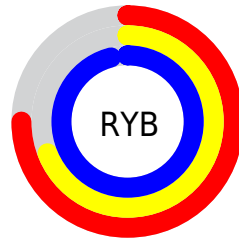
# Distribution



Red (75%)

Green (69%)

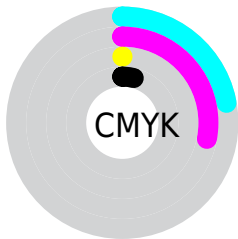
Blue (96%)



Red (75%)

Yellow (69%)

Blue (96%)

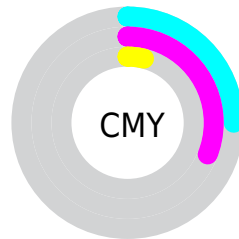


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (4%)



Cyan (25%)

Magenta (31%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8943, 48.1387, 92.0918 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 52.8943, 48.1387, 92.0918 by changing the saturation by 10% instead.





 52.8943, 48.1387,  
92.0918

 52.8943, 48.1387,  
92.0918


388.1470,  
379.3416, 555.5569

 37.9455, 33.9367,  
69.1334


 93.6153, 87.4109,  
152.2014

 26.1174, 22.8450,  
50.3479

120.1182,  
113.2499, 190.1897

 17.0447, 14.4791,  
35.3168


151.2032,  
143.7367, 234.0251

 10.3618, 8.4546,  
23.6215

187.2356,  
179.2557, 284.1261

 5.7036, 4.3872,  
14.8435

228.5809,  
220.1913, 340.9112

 2.7047, 1.8924,  
8.5642

275.6043,

 0.9996, 0.5438,

266.9279, 404.7990

4.3651

328.6712,  
319.8499, 476.2081

■ 0.0000, 0.0000,  
1.8277

■ 0.0000, 0.0000,  
0.4462

■ 52.8943, 48.1387,  
92.0918

■ 52.8943, 48.1387,  
92.0918

■ 44.1065, 37.1851,  
90.4415

■ 63.1682, 61.1344,  
94.0595

■ 36.7298, 28.1627,  
89.0888

■ 74.9889, 76.2635,  
96.3567

■ 30.6893, 20.9593,  
88.0168

■ 88.4197, 93.6191,  
98.9988

■ 25.9015, 15.4480,  
87.2053

■ 93.3293, 99.3117,  
99.8388

■ 22.2725, 11.4857,  
86.6318

■ 19.6942, 8.9043,  
86.2694

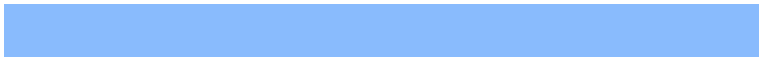
■ 18.0244, 7.4733,  
86.0812

■ 17.7997, 7.2898,  
86.0577

# Harmonies

## Analogous

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



45.9680, 48.1387, 100.1499



52.8943, 48.1387, 92.0918



58.3160, 48.1387, 73.0643

# Triad

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



52.8943, 48.1387, 92.0918



52.4883, 48.1387, 25.7880



33.7619, 48.1387, 53.0282

# Complementary

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



52.8943, 48.1387, 92.0918



72.4029, 84.4556, 53.0449

# 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.



35.1401, 48.1387, 36.0762



52.8943, 48.1387, 92.0918



45.5414, 48.1387, 22.9285

# Square

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



52.8943, 48.1387, 92.0918



58.0656, 48.1387, 35.2576



39.2878, 48.1387, 26.1707



35.3193, 48.1387, 74.3928



# Rectangle

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



52.8943, 48.1387, 92.0918



60.0988, 48.1387, 58.6206



39.2878, 48.1387, 26.1707



33.8959, 48.1387, 46.6633

# Sweetspot

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



52.8959, 48.1406, 92.0929



83.2523, 84.7646, 106.5811



62.0429, 71.7133, 96.1608



17.3721, 17.5681, 22.7253



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.



52.8959, 48.1406, 92.0929



52.6377, 45.9196, 100.6968



62.5407, 53.1127, 92.5443



15.9179, 16.1003, 20.8113



9.7722, 4.0121, 46.7974



0.9427, 0.3958, 4.1170



# Inverse Universe

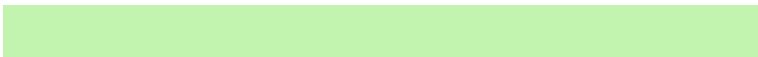
The Inverse Universe completely reimagines the original color for something new.



66.7824, 55.5519, 81.3329



70.4606, 55.4412, 86.4607



62.4795, 79.3399, 52.5805



17.0504, 16.7030, 20.0118



25.4499, 12.5234, 28.1411



2.2741, 1.1156, 2.6699



# Previews

## White Background



This preview shows how the XYZ color 52.8943, 48.1387, 92.0918 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

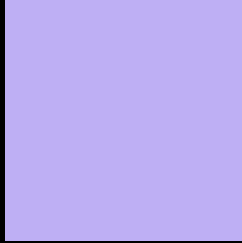
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.8943, 48.1387, 92.0918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

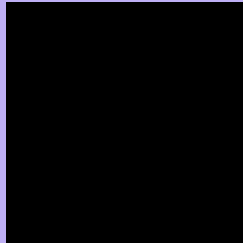
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.8943, 48.1387, 92.0918**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.8943, 48.1387, 92.0918.



This preview shows how white text looks on a background with the XYZ color 52.8943, 48.1387,



# 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

52.8943, 48.1387, 92.0918

### Protanopia

49.3439, 48.2948, 96.3437

### Deuteranopia

49.4961, 48.1767, 91.4843



## Tritanopia

46.6249, 48.3033, 60.2921

# Trichromacy



## Original Color

52.8943, 48.1387, 92.0918

## Protanomaly

50.3642, 47.9543, 94.5973

## Deuteranomaly

50.6579, 48.1762, 91.4230

## Tritanomaly

48.7972, 48.2683, 71.0348

# Monochromacy



## Original Color

52.8943, 48.1387, 92.0918

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

49.0577, 49.1124, 66.5685

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8943, 48.1387, 92.0918 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(190, 175, 244)` looks like.

```
.text, #text, p{  
    color:rgb(190, 175, 244)  
}
```

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(190, 175, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 175, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8943, 48.1387, 92.0918 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(190, 175, 244) }
```



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

```
.border{ border-color:rgb(190, 175, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 175, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 175, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 175, 244);  
box-shadow:4px 4px 4px 4px rgb(190, 175,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8943, 48.1387, 92.0918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 175, 244) }
```

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

```
.background{ background-color: rgb(190,  
175, 244) }
```

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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