

# Converting Colors

XYZ(52.6893, 48.3405, 91.3477)

Have a look what the booklet for  
XYZ(52.6893, 48.3405, 91.3477)  
contains.

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# Color

**XYZ(52.6893, 48.3405,  
91.3477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDB0F3
RGB	189, 176, 243
RGB Percent	74%, 69%, 95%
CMY	0.2588, 0.3098, 0.0471
CMYK	0.22, 0.28, 0.00, 0.05
HSL	252°, 74%, 82%
HSV	252°, 28%, 95%
XYZ	52.6893, 48.3405, 91.3477
YIQ	187.5250, -13.7590, 23.5930

# Conversions

## Conversions Part 2

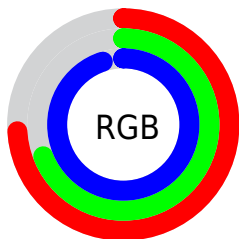
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 176, 243
Decimal	12431603
CIE <sub>Lab</sub>	75.04, 18.33, -31.67
CIE <sub>LCh</sub>	75, 36.587, 300.062
Yxy	48.3405, 0.2739, 0.2513
Android (android.graphics.Color)	4290621683 (0xFFBDB0F3)
YUV	187.5250, 27.3492, 1.2936
Hunter-Lab	69.5273, 13.5983, -29.2284

# Details

The XYZ color **52.6893, 48.3405, 91.3477** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **72.5214, 84.0599, 53.4791**, and the grayscale version is **47.3877, 49.8555, 54.2927**.

A 20% lighter version of the original color is **84.9126, 84.5261, 106.4475**, and **26.0443, 22.9047, 50.0621** is the 20% darker color. If you saturate the color by 10%, you get **43.8100, 37.3128, 89.6879**, and if you desaturate by 10%, it is **63.0807, 61.4159, 93.3246**.

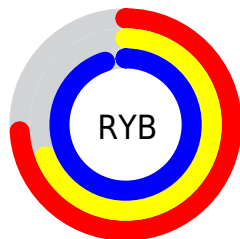
# Distribution



Red (74%)

Green (69%)

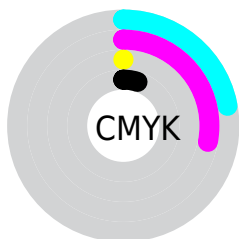
Blue (95%)



Red (74%)

Yellow (69%)

Blue (95%)

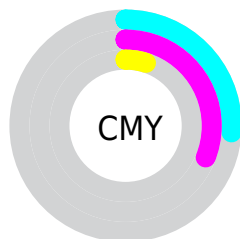


Cyan (22%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (26%)

Magenta (31%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6893, 48.3405, 91.3477 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 52.6893, 48.3405, 91.3477 by changing the saturation by 10% instead.



■ 52.6893, 48.3405,  
91.3477

■ 52.6893, 48.3405,  
91.3477

387.3724,  
380.1402, 553.0880

■ 37.7813, 34.0966,  
68.5190

■ 93.3152, 87.7112,  
151.1608

■ 25.9894, 22.9678,  
49.8507

119.7639,  
113.6067, 188.9823

■ 16.9484, 14.5698,  
34.9245

150.7901,  
144.1550, 232.6385

■ 10.2928, 8.5180,  
23.3216

186.7592,  
179.7403, 282.5478

■ 5.6572, 4.4281,  
14.6236

228.0367,  
220.7471, 339.1289

■ 2.6765, 1.9158,  
8.4120

274.9878,

■ 0.9851, 0.5579,

267.5597, 402.8003

4.2682

327.9779,  
320.5626, 473.9804

■ 0.0000, 0.0000,  
1.7736

■ 0.0000, 0.0000,  
0.4104

■ 52.6893, 48.3405,  
91.3477

■ 52.6893, 48.3405,  
91.3477

■ 43.8100, 37.3128,  
89.6879

■ 63.0807, 61.4159,  
93.3246

■ 36.3663, 28.2225,  
88.3257

■ 75.0460, 76.6300,  
95.6306

■ 30.2823, 20.9576,  
87.2441

■ 88.6497, 94.0755,  
98.2809

■ 25.4728, 15.3924,  
86.4234

■ 93.1778, 99.2511,  
99.0413

■ 21.8425, 11.3846,  
85.8411

■ 19.2820, 8.7683,  
85.4711

■ 17.6533, 7.3269,  
85.2787

■ 17.3570, 7.0790,  
85.2465

# Harmonies

## Analogous

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



45.9601, 48.3405, 98.6858



52.6893, 48.3405, 91.3477



58.0068, 48.3405, 73.2226

# Triad

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



52.6893, 48.3405, 91.3477



52.6630, 48.3405, 26.7486



34.2557, 48.3405, 52.6743

# Complementary

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



52.6893, 48.3405, 91.3477



72.5214, 84.0599, 53.4791

# 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.



35.6851, 48.3405, 36.3201



52.6893, 48.3405, 91.3477



45.9323, 48.3405, 23.7414

# Square

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



52.6893, 48.3405, 91.3477



57.9906, 48.3405, 36.2663



39.8044, 48.3405, 26.7739



35.6968, 48.3405, 73.3084



# Rectangle

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



52.6893, 48.3405, 91.3477



59.8029, 48.3405, 59.2456



39.8044, 48.3405, 26.7739



34.4145, 48.3405, 46.5346

# Sweetspot

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



52.6909, 48.3424, 91.3488



83.0915, 84.6818, 106.5736



62.5803, 72.6959, 95.5283



17.3319, 17.5473, 22.7234



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.



52.6909, 48.3424, 91.3488



53.1216, 46.8764, 100.8560



61.7623, 53.0189, 91.7733



15.8813, 16.0814, 20.8096



9.6106, 3.9288, 46.7898



0.9235, 0.3859, 4.1161



# Inverse Universe

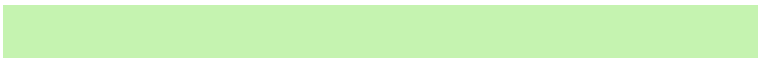
The Inverse Universe completely reimagines the original color for something new.



66.7717, 55.8203, 82.1193



71.3062, 56.5418, 88.5634



62.9712, 79.1365, 53.0321



17.0677, 16.7099, 20.1031



25.7937, 12.6609, 29.9519

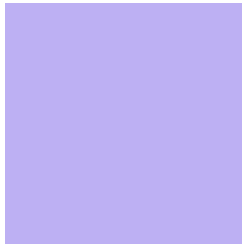


2.3015, 1.1266, 2.8141



# Previews

## White Background



This preview shows how the XYZ color 52.6893, 48.3405, 91.3477 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

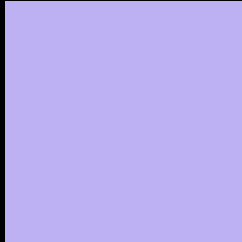
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6893, 48.3405, 91.3477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

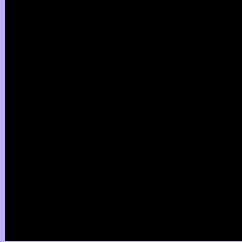
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.6893, 48.3405, 91.3477**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6893, 48.3405, 91.3477.



This preview shows how white text looks on a background with the XYZ color 52.6893, 48.3405,



# 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

52.6893, 48.3405, 91.3477

### Protanopia

49.3971, 48.3402, 95.5340

### Deuteranopia

49.7682, 48.6374, 90.7693



## Tritanopia

46.5053, 48.2283, 60.8907

# Trichromacy



## Original Color

52.6893, 48.3405, 91.3477

## Protanomaly

50.4114, 48.2950, 93.8537

## Deuteranomaly

50.7084, 48.5183, 90.6968

## Tritanomaly

48.5568, 48.1444, 71.0236

# Monochromacy



## Original Color

52.6893, 48.3405, 91.3477

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

49.2647, 49.5264, 66.6375

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6893, 48.3405, 91.3477 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, 176, 243)` looks like.

```
.text, #text, p{  
    color:rgb(189, 176, 243)  
}
```

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, 176, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 176, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6893, 48.3405, 91.3477 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, 176, 243) }
```



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

```
.border{ border-color:rgb(189, 176, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 176, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 176, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 176, 243);  
box-shadow:4px 4px 4px 4px rgb(189, 176,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6893, 48.3405, 91.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 176, 243) }
```

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

```
.background{ background-color: rgb(189,  
176, 243) }
```

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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