

# Converting Colors

XYZ(46.0826, 38.3811, 76.3977)

Have a look what the booklet for  
XYZ(46.0826, 38.3811, 76.3977)  
contains.

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# Color

**XYZ(45.9828, 38.3253,  
76.2081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF96E1
RGB	191, 150, 225
RGB Percent	75%, 59%, 88%
CMY	0.2510, 0.4117, 0.1176
CMYK	0.15, 0.33, 0.00, 0.12
HSL	273°, 56%, 74%
HSV	273°, 33%, 88%
XYZ	45.9828, 38.3253, 76.2081
YIQ	170.8090, 0.3610, 32.0170

# Conversions

## Conversions Part 2

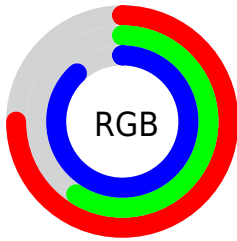
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 150, 225
Decimal	12556001
CIELab	68.26, 29.33, -32.30
CIELCh	68, 43.625, 312.239
Yxy	38.3253, 0.2865, 0.2388
Android (android.graphics.Color)	4290746081 (0xFFBF96E1)
YUV	170.8090, 26.7162, 17.7075
Hunter-Lab	61.9074, 24.2459, -29.6508

# Details

The XYZ color **45.9828, 38.3253, 76.2081** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.1986, 66.2437, 38.8910**, and the grayscale version is **38.4842, 40.4883, 44.0918**.

A 20% lighter version of the original color is **78.5927, 70.8391, 104.1388**, and **21.7766, 17.0225, 39.6740** is the 20% darker color. If you saturate the color by 10%, you get **40.2550, 30.5454, 75.0089**, and if you desaturate by 10%, it is **52.5811, 47.5791, 77.6471**.

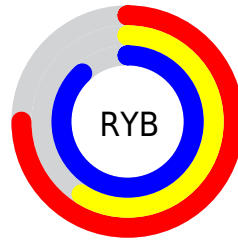
# Distribution



Red (75%)

Green (59%)

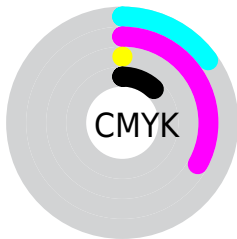
Blue (88%)



Red (75%)

Yellow (59%)

Blue (88%)

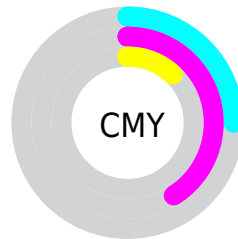


Cyan (15%)

Magenta (33%)

Yellow (0%)

Black (12%)



Cyan (25%)

Magenta (41%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9828, 38.3253, 76.2081 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 45.9828, 38.3253, 76.2081 by changing the saturation by 10% instead.





 45.9828, 38.3253,  
76.2081


 45.9828, 38.3253,  
76.2081


361.4566,  
339.0134, 501.4255

 32.4368, 26.2353,  
56.0955


 83.4213, 72.6065,  
129.7838

 21.8525, 16.9997,  
39.8750


 108.0445, 95.5664,  
164.0840

 13.8646, 10.2343,  
27.1280


137.0908,  
122.9184, 203.9504

 8.1076, 5.5546,  
17.4361

170.9256,  
155.0468, 249.8017

 4.2163, 2.5762,  
10.3807

209.9142,  
192.3362, 302.0563

 1.8252, 0.9147,  
5.5432

254.4220,

 0.5328, 0.0000,

235.1708, 361.1328

2.5051

304.8144,  
283.9351, 427.4497

■ 0.0000, 0.0000,  
0.8429

■ 0.0000, 0.0000,  
0.0000

■ 45.9828, 38.3253,  
76.2081

■ 45.9828, 38.3253,  
76.2081

■ 40.2550, 30.5454,  
75.0089

■ 52.5811, 47.5791,  
77.6471

■ 35.3507, 24.1535,  
74.0337

■ 60.0861, 58.3767,  
79.3357

■ 31.2238, 19.0622,  
73.2684

■ 68.5363, 70.7892,  
81.2862

■ 27.8216, 15.1716,  
72.6968

■ 77.9667, 84.8817,  
83.5093

■ 25.0836, 12.3666,  
72.2997

■ 85.9695, 95.8340,  
85.2015

■ 22.9371, 10.5082,  
72.0541

■ 89.5690, 97.6896,  
85.3699

■ 21.7591, 9.6472,  
71.9500

■ 90.5907, 98.2163,  
85.4177

# Harmonies

## Analogous

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



39.2813, 38.3253, 90.3053



45.9828, 38.3253, 76.2081



50.4125, 38.3253, 54.2799

# Triad

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



45.9828, 38.3253, 76.2081



40.5797, 38.3253, 15.1906



25.0458, 38.3253, 50.2175

# Complementary

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



45.9828, 38.3253, 76.2081



52.1986, 66.2437, 38.8910

# 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.



25.3016, 38.3253, 31.2805



45.9828, 38.3253, 76.2081



33.7145, 38.3253, 14.7177

# Square

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



45.9828, 38.3253, 76.2081



47.0351, 38.3253, 21.2165



28.2963, 38.3253, 19.6267



27.5475, 38.3253, 72.4459



# Rectangle

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



45.9828, 38.3253, 76.2081



51.1809, 38.3253, 40.2780



28.2963, 38.3253, 19.6267



24.8218, 38.3253, 43.2159

# Sweetspot

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



45.9841, 38.3269, 76.2090



83.3220, 82.6688, 106.1729



43.5186, 46.6197, 77.9396



17.5039, 17.2114, 22.6495



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.



45.9841, 38.3269, 76.2090



55.6678, 43.5228, 100.0745



55.2106, 43.1225, 74.8733



13.6646, 13.6106, 17.2946



12.6750, 5.6295, 41.4669



0.9814, 0.4432, 2.8791



# Inverse Universe

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



50.6106, 41.2824, 50.6497



62.9680, 48.1772, 60.1595



45.2127, 62.6188, 39.6263



13.9643, 13.8033, 15.5821



19.3325, 9.8000, 8.4165

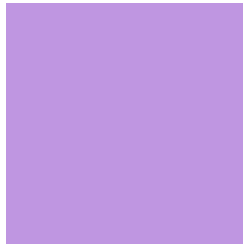


1.3847, 0.6972, 0.8188



# Previews

## White Background



This preview shows how the XYZ color 45.9828, 38.3253, 76.2081 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

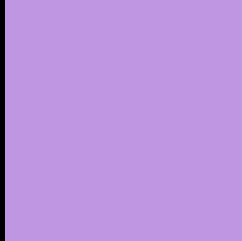
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.9828, 38.3253, 76.2081 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

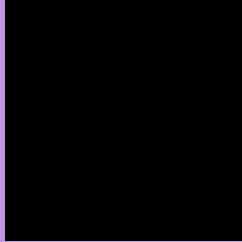
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.9828, 38.3253, 76.2081**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9828, 38.3253, 76.2081.



This preview shows how white text looks on a background with the XYZ color 45.9828, 38.3253,



# 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

45.9828, 38.3253, 76.2081

### Protanopia

39.9174, 38.5363, 84.6913

### Deuteranopia

39.4092, 38.5002, 74.4614



## Tritanopia

39.6421, 38.2260, 44.8242

# Trichromacy



## Original Color

45.9828, 38.3253, 76.2081

## Protanomaly

41.6616, 38.1995, 81.5214

## Deuteranomaly

41.4433, 38.2310, 75.0071

## Tritanomaly

41.6526, 38.0218, 55.0128

# Monochromacy



## Original Color

45.9828, 38.3253, 76.2081

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

40.8613, 39.4210, 54.7456

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9828, 38.3253, 76.2081 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(191, 150, 225)` looks like.

```
.text, #text, p{  
    color:rgb(191, 150, 225)  
}
```

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(191, 150, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 150, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9828, 38.3253, 76.2081 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(191, 150, 225) }
```



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

```
.border{ border-color:rgb(191, 150, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 150, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 150, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 150, 225);  
box-shadow:4px 4px 4px 4px rgb(191, 150,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9828, 38.3253, 76.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 150, 225) }
```

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

```
.background{ background-color: rgb(191,  
150, 225) }
```

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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