

# Converting Colors

XYZ(44.7490, 38.4091, 76.2893)

Have a look what the booklet for  
XYZ(44.7490, 38.4091, 76.2893)  
contains.

<b>XYZ(44.7490, 38.4091, 76.2893)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	28
<i><b>CSS Examples</b></i>	31

# Color

**XYZ(44.7490, 38.4091,  
76.2893)**

# Conversions

Conversions Part 1	
Format	Color
Hex	B899E1
RGB	184, 153, 225
RGB Percent	72%, 60%, 88%
CMY	0.2784, 0.4000, 0.1176
CMYK	0.18, 0.32, 0.00, 0.12
HSL	266°, 55%, 74%
HSV	266°, 32%, 88%
XYZ	44.7490, 38.4091, 76.2893
YIQ	170.4770, -4.6360, 28.9640

# Conversions

## Conversions Part 2

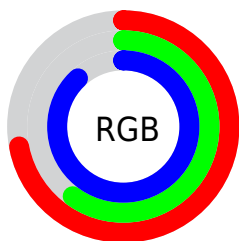
Format	Color
<a href="#">RYB</a>	<a href="#">184, 153, 225</a>
Decimal	<a href="#">12098017</a>
CIELab	<a href="#">68.32, 25.52, -32.25</a>
CIELCh	<a href="#">68, 41.129, 308.350</a>
Yxy	<a href="#">38.4091, 0.2807, 0.2409</a>
Android (android.graphics.Color)	<a href="#">4290288097</a> (0xFFB899E1)
YUV	<a href="#">170.4770, 26.8798, 11.8597</a>
Hunter-Lab	<a href="#">61.9751, 20.4292, -29.6015</a>

# Details

The XYZ color **44.7490, 38.4091, 76.2893** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.9243, 67.6206, 40.2960**, and the grayscale version is **38.3192, 40.3148, 43.9028**.

A 20% lighter version of the original color is **76.8815, 71.0325, 104.2663**, and **21.1187, 17.1131, 39.7262** is the 20% darker color. If you saturate the color by 10%, you get **38.4764, 30.2152, 75.0389**, and if you desaturate by 10%, it is **51.9965, 48.1382, 77.7858**.

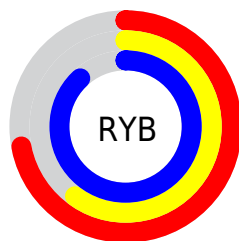
# Distribution



Red (72%)

Green (60%)

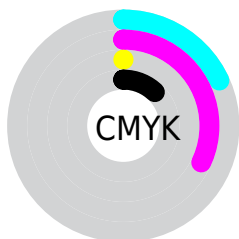
Blue (88%)



Red (72%)

Yellow (60%)

Blue (88%)

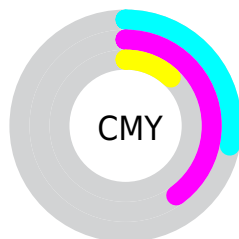


Cyan (18%)

Magenta (32%)

Yellow (0%)

Black (12%)



Cyan (28%)

Magenta (40%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7490, 38.4091, 76.2893 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 44.7490, 38.4091, 76.2893 by changing the saturation by 10% instead.





 44.7490, 38.4091,  
76.2893


 44.7490, 38.4091,  
76.2893


356.5569,  
339.3717, 501.7106

 31.4602, 26.3004,  
56.1617


 81.5830, 72.7347,  
129.8996

 21.1031, 17.0485,  
39.9277


 105.8589, 95.7204,  
164.2194

 13.3123, 10.2691,  
27.1688


134.5280,  
123.1006, 204.1069

 7.7224, 5.5777,  
17.4665

167.9554,  
155.2595, 249.9808

 3.9681, 2.5900,  
10.4022

206.5067,  
192.5817, 302.2596

 1.6841, 0.9217,  
5.5573


250.5471,

 0.4463, 0.0000,


235.4516, 361.3618


2.5134


300.4421,  
284.2534, 427.7060


 0.0000, 0.0000,  
0.8473


 0.0000, 0.0000,  
0.0000

 44.7490, 38.4091,  
76.2893

 44.7490, 38.4091,  
76.2893


 38.4764, 30.2152,  
75.0389


 51.9965, 48.1382,  
77.7858


 33.1285, 23.4696,  
74.0188


 60.2582, 59.4734,  
79.5383


 28.6557, 18.0840,  
73.2150

 69.5757, 72.4870,  
81.5591


 25.0021, 13.9580,  
72.6112

 79.9871, 87.2453,  
83.8590

 22.1038, 10.9767,  
72.1885

 88.0854, 96.9247,  
85.3005

 19.8857, 9.0026,  
71.9244

 90.5907, 98.2163,  
85.4178

 18.5071, 7.9708,  
71.7978

# Harmonies

## Analogous

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



38.3362, 38.4091, 87.6858



44.7490, 38.4091, 76.2893



49.2800, 38.4091, 56.3304

# Triad

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



44.7490, 38.4091, 76.2893



41.2727, 38.4091, 16.7451



25.5662, 38.4091, 47.1901

# Complementary

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



44.7490, 38.4091, 76.2893



54.9243, 67.6206, 40.2960

# 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.



26.1566, 38.4091, 30.0451



44.7490, 38.4091, 76.2893



34.7363, 38.4091, 15.6157

# Square

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



44.7490, 38.4091, 76.2893



47.1142, 38.4091, 23.4377



29.3442, 38.4091, 19.7042



27.6243, 38.4091, 67.9358



# Rectangle

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



44.7490, 38.4091, 76.2893



50.3493, 38.4091, 42.8514



29.3442, 38.4091, 19.7042



25.4668, 38.4091, 40.8073

# Sweetspot

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



44.7503, 38.4107, 76.2902



82.3059, 82.1449, 106.1253



46.2439, 51.2401, 78.6878



17.2583, 17.0848, 22.6380



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.



44.7503, 38.4107, 76.2902



54.0654, 43.9625, 100.2438



54.1963, 43.2803, 76.7322



13.5089, 13.5304, 17.2873



10.7926, 4.6591, 41.3788



0.8491, 0.3750, 2.8729



# Inverse Universe

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



52.1814, 42.6866, 56.5295



65.5297, 50.5662, 69.4436



46.9743, 63.5222, 39.9239



14.0326, 13.8307, 15.9420



20.2029, 10.1482, 13.0001

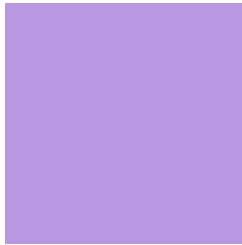


1.4450, 0.7213, 1.1361



# Previews

## White Background



This preview shows how the XYZ color 44.7490, 38.4091, 76.2893 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

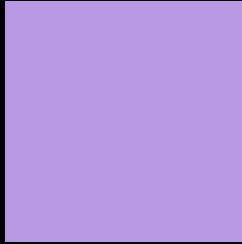
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.7490, 38.4091, 76.2893 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 44.7490, 38.4091, 76.2893**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.7490, 38.4091, 76.2893.



This preview shows how white text looks on a background with the XYZ color 44.7490, 38.4091,



# 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

44.7490, 38.4091, 76.2893

### Protanopia

39.8038, 38.5112, 83.1774

### Deuteranopia

39.5436, 38.5540, 75.1695



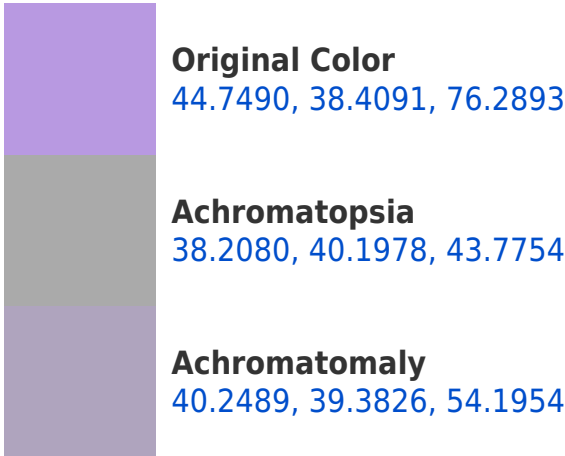
## Tritanopia

38.8382, 38.5591, 46.4700

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.7490, 38.4091, 76.2893 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(184, 153, 225) looks like.

```
.text, #text, p{  
    color:rgb(184, 153, 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(184, 153, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 153, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 44.7490, 38.4091, 76.2893 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(184, 153, 225) }
```



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

```
.border{ border-color:rgb(184, 153, 225) }
```

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

Here you see how a box with a 4 pixel rgb(184, 153, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 153, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 153, 225);  
box-shadow:4px 4px 4px 4px rgb(184, 153,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.7490, 38.4091, 76.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 153, 225) }
```

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

```
.background{ background-color: rgb(184,  
153, 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](#).

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