

# Converting Colors

XYZ(38.3878, 20.4225, 82.0394)

Have a look what the booklet for  
XYZ(38.3878, 20.4225, 82.0394)  
contains.

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# Color

**XYZ(38.3878, 20.4225,  
82.0394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF3CED
RGB	191, 60, 237
RGB Percent	75%, 24%, 93%
CMY	0.2510, 0.7647, 0.0706
CMYK	0.19, 0.75, 0.00, 0.07
HSL	284°, 83%, 58%
HSV	284°, 75%, 93%
XYZ	38.3878, 20.4225, 82.0394
YIQ	119.3470, 21.2590, 82.8190

# Conversions

## Conversions Part 2

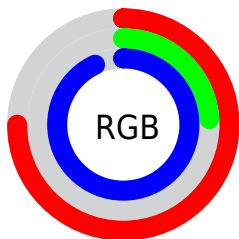
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 60, 237
Decimal	12532973
CIELab	52.31, 75.14, -64.21
CIElCh	52, 98.843, 319.485
Yxy	20.4225, 0.2725, 0.1450
Android (android.graphics.Color)	4290723053 (0xFFBF3CED)
YUV	119.3470, 58.0029, 62.8397
Hunter-Lab	45.1913, 72.5425, -76.0001

# Details

The XYZ color **38.3878, 20.4225, 82.0394** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **37.0441, 63.9592, 14.6685**, and the grayscale version is **17.4627, 18.3721, 20.0072**.

A 20% lighter version of the original color is **64.5501, 41.1622, 99.1507**, and **17.7539, 8.2008, 43.8272** is the 20% darker color. If you saturate the color by 10%, you get **35.8961, 17.6895, 81.6436**, and if you desaturate by 10%, it is **41.5019, 24.3014, 82.6243**.

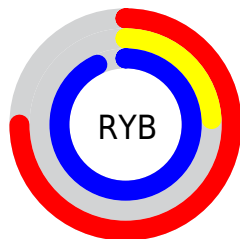
# Distribution



Red (75%)

Green (24%)

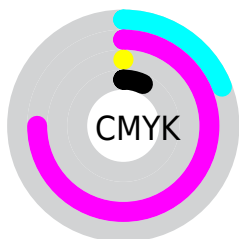
Blue (93%)



Red (75%)

Yellow (24%)

Blue (93%)

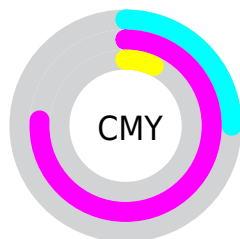


Cyan (19%)

Magenta (75%)

Yellow (0%)

Black (7%)



Cyan (25%)

Magenta (76%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3878, 20.4225, 82.0394 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 38.3878, 20.4225, 82.0394 by changing the saturation by 10% instead.



 38.3878, 20.4225,  
82.0394


 38.3878, 20.4225,  
82.0394

330.5328,  
254.1933, 521.6664

 26.4624, 12.7025,  
60.8620


 72.0022, 44.1244,  
138.0664


 17.3044, 7.2240,  
43.6840


 94.4219, 60.8751,  
173.7531


 10.5484, 3.6026,  
30.0868


 121.0705, 81.4049,  
215.1134

 5.8291, 1.4538,  
19.6519

 152.3132,  
106.0981, 262.5657

 2.7811, 0.2559,  
11.9607

 188.5154,  
135.3392, 316.5286

 1.0391, 0.0000,  
6.5947

230.0425,

 0.0000, 0.0000,

169.5125, 377.4207

3.1354

277.2598,  
209.0023, 445.6604

■ 0.0000, 0.0000,  
1.1642

■ 0.0000, 0.0000,  
0.0000

■ 38.3878, 20.4225,  
82.0394

■ 38.3878, 20.4225,  
82.0394

■ 35.8961, 17.6895,  
81.6436

■ 41.5019, 24.3014,  
82.6243

■ 33.9426, 15.9384,  
81.4085

■ 45.3022, 29.4559,  
83.4190

■ 33.0572, 15.2758,  
81.3273

■ 49.8470, 36.0005,  
84.4426

■ 55.1874, 44.0361,  
85.7122

61.3696, 53.6541,  
87.2428

68.4361, 64.9385,  
89.0485

76.4265, 77.9674,  
91.1422

85.3779, 92.8137,  
93.5360

89.2050, 97.3061,  
94.2014

# Harmonies

## Analogous

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



26.6891, 20.4225, 127.7838



38.3878, 20.4225, 82.0394



45.6727, 20.4225, 34.0976

# Triad

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



38.3878, 20.4225, 82.0394



23.2013, 20.4225, 0.0000



6.1991, 20.4225, 46.6270

# Complementary

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



38.3878, 20.4225, 82.0394



37.0441, 63.9592, 14.6685

# 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.



5.8367, 20.4225, 13.5049



38.3878, 20.4225, 82.0394



13.5932, 20.4225, 0.0000

# Square

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



38.3878, 20.4225, 82.0394



35.0812, 20.4225, 1.0547



8.0196, 20.4225, 2.0919



9.2797, 20.4225, 97.7292



# Rectangle

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



38.3878, 20.4225, 82.0394



45.7806, 20.4225, 14.2277



8.0196, 20.4225, 2.0919



5.8093, 20.4225, 32.7976

# Sweetspot

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



38.3887, 20.4233, 82.0399



74.5286, 66.6198, 103.5386



22.4287, 17.6330, 82.3425



15.4893, 13.5270, 22.0445



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.



38.3887, 20.4233, 82.0399



41.0066, 19.5866, 96.2271



46.4711, 25.2087, 54.4629



15.3106, 15.1054, 19.0309



18.1769, 8.4065, 44.4075



1.5162, 0.7059, 3.4912



# Inverse Universe

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



39.1429, 22.2774, 15.8731



43.2438, 22.6350, 10.7138



34.5119, 62.4749, 22.6299



15.2261, 15.1183, 16.4761



19.5819, 10.0355, 3.5997

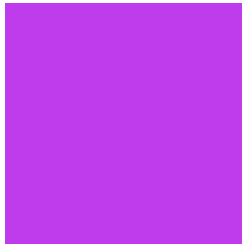


1.5760, 0.8034, 0.4845



# Previews

## White Background



This preview shows how the XYZ color 38.3878, 20.4225, 82.0394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

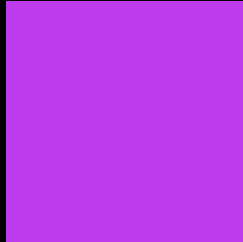
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3878, 20.4225, 82.0394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

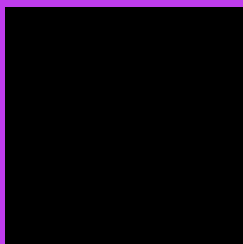
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.3878, 20.4225, 82.0394**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3878, 20.4225, 82.0394.



This preview shows how white text looks on a background with the XYZ color 38.3878, 20.4225,



# 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

38.3878, 20.4225, 82.0394

### Protanopia

24.9875, 20.9464, 97.3338

### Deuteranopia

21.3316, 20.6931, 74.1040



## Tritanopia

25.2658, 20.1796, 18.1862

# Trichromacy



## Original Color

38.3878, 20.4225, 82.0394



## Protanomaly

24.3068, 17.1968, 90.8452



## Deuteranomaly

22.0537, 16.9354, 76.2352



## Tritanomaly

28.5663, 19.3167, 34.5706

# Monochromacy



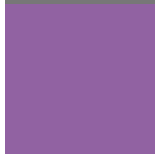
## Original Color

38.3878, 20.4225, 82.0394



## Achromatopsia

17.5343, 18.4475, 20.0893



## Achromatomaly

22.5663, 17.3637, 36.3446

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3878, 20.4225, 82.0394 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, 60, 237)` looks like.

```
.text, #text, p{  
    color:rgb(191, 60, 237)  
}
```

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, 60, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 60, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3878, 20.4225, 82.0394 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, 60, 237) }
```



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

```
.border{ border-color:rgb(191, 60, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 60, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 60, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 60, 237);  
box-shadow:4px 4px 4px 4px rgb(191, 60,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3878, 20.4225, 82.0394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 60, 237) }
```

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

```
.background{ background-color: rgb(191, 60,  
237) }
```

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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