

# Converting Colors

XYZ(38.3041, 17.7950, 96.0237)

Have a look what the booklet for  
XYZ(38.3041, 17.7950, 96.0237)  
contains.

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# Color

**XYZ(38.3865, 17.8328,  
96.0266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA08FF
RGB	186, 8, 255
RGB Percent	73%, 3%, 100%
CMY	0.2706, 0.9686, 0.0000
CMYK	0.27, 0.97, 0.00, 0.00
HSL	283°, 100%, 52%
HSV	283°, 97%, 100%
XYZ	38.3865, 17.8328, 96.0266
YIQ	89.3800, 26.8010, 114.5530

# Conversions

## Conversions Part 2

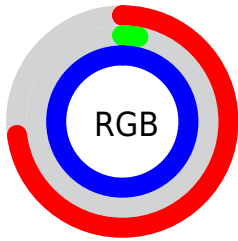
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 8, 255
Decimal	12191999
CIELab	49.29, 88.15, -79.22
CIELCh	49, 118.521, 318.054
Yxy	17.8328, 0.2521, 0.1171
Android (android.graphics.Color)	4290382079 (0xFFBA08FF)
YUV	89.3800, 81.6507, 84.7357
Hunter-Lab	42.2289, 88.3577, -105.2625

# Details

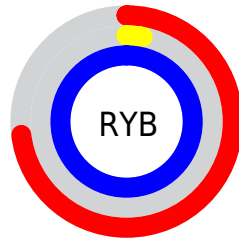
The XYZ color **38.3865, 17.8328, 96.0266** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **38.8652, 73.1157, 12.2944**, and the grayscale version is **9.4023, 9.8920, 10.7723**.

A 20% lighter version of the original color is **60.8536, 35.3609, 98.2257**, and **18.5355, 8.3912, 53.4661** is the 20% darker color. If you saturate the color by 10%, you get **37.7609, 17.3813, 95.9725**, and if you desaturate by 10%, it is **40.6328, 19.6905, 96.2668**.

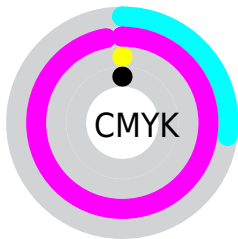
# Distribution



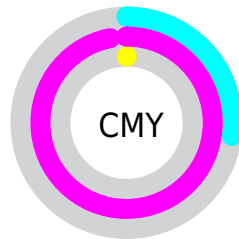
- Red (73%)
- Green (3%)
- Blue (100%)



- Red (73%)
- Yellow (3%)
- Blue (100%)



- Cyan (27%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (97%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3865, 17.8328, 96.0266 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 38.3865, 17.8328, 96.0266 by changing the saturation by 10% instead.



 38.3865, 17.8328,  
96.0266


 38.3865, 17.8328,  
96.0266

330.5273,  
239.9269, 568.5144

 26.4614, 10.8300,  
72.3881

 72.0002, 39.7522,  
157.6899

 17.3036, 5.9526,  
52.9870


 94.4196, 55.4376,  
196.5518


 10.5478, 2.8163,  
37.4047


 121.0677, 74.7860,  
241.3252

 5.8287, 1.0366,  
25.2228

 152.3099, 98.1819,  
292.4287

 2.7809, 0.0000,  
16.0226

 188.5116,  
126.0095, 350.2808

 1.0390, 0.0000,  
9.3856

 230.0382,

 0.0000, 0.0000,

158.6532, 415.3001

4.8933

277.2550,  
196.4976, 487.9052

■ 0.0000, 0.0000,  
2.1272

■ 0.0000, 0.0000,  
0.6319

■ 38.3865, 17.8328,  
96.0266

■ 38.3865, 17.8328,  
96.0266

■ 37.7609, 17.3813,  
95.9725

■ 40.6328, 19.6905,  
96.2668

■ 43.5008, 22.6630,  
96.6894

■ 47.0969, 26.9597,  
97.3292

■ 51.5041, 32.7455,  
98.2137

■ 56.7937, 40.1610,  
99.3662

■ 63.0285, 49.3299,  
100.8074

■ 70.2651, 60.3642,  
102.5558

■ 78.5556, 73.3662,  
104.6285

■ 87.9481, 88.4306,  
107.0412

# Harmonies

## Analogous

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



24.4899, 17.8328, 155.5669



38.3865, 17.8328, 96.0266



47.7170, 17.8328, 35.0784

# Triad

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



38.3865, 17.8328, 96.0266



21.7796, 17.8328, 0.0000



3.6538, 17.8328, 45.2994

# Complementary

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



38.3865, 17.8328, 96.0266



38.8652, 73.1157, 12.2944

# 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.



3.4456, 17.8328, 9.2881



38.3865, 17.8328, 96.0266



11.1415, 17.8328, 0.0000

# Square

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



38.3865, 17.8328, 96.0266



35.6706, 17.8328, 0.0000



5.4903, 17.8328, 0.4030



6.2870, 17.8328, 110.0741



# Rectangle

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



38.3865, 17.8328, 96.0266



48.2223, 17.8328, 12.0295



5.4903, 17.8328, 0.4030



3.3590, 17.8328, 29.3392

# Sweetspot

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



38.3874, 17.8334, 96.0267



68.6281, 57.8384, 102.1546



20.8741, 12.7193, 95.9626



14.0218, 11.3599, 21.7036



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.



38.3874, 17.8334, 96.0267



37.7609, 17.3813, 95.9725



51.9269, 25.6739, 57.7772



18.2690, 18.0304, 22.7673



19.8836, 9.1608, 50.1548



2.0424, 0.9468, 4.8884



# Inverse Universe

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



42.6668, 21.9699, 9.0147



42.3849, 21.7180, 7.9589



36.7168, 71.9143, 16.4352



18.2179, 18.0705, 19.7646



22.2012, 11.3698, 4.4443



2.2058, 1.1247, 0.6649



# Previews

## White Background



This preview shows how the XYZ color 38.3865, 17.8328, 96.0266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

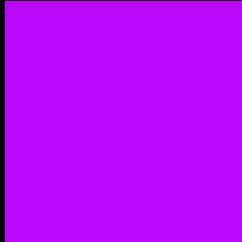
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.3865, 17.8328, 96.0266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

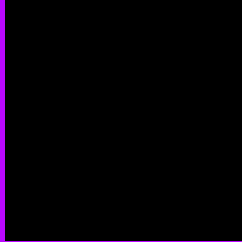
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.3865, 17.8328, 96.0266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3865, 17.8328, 96.0266.



This preview shows how white text looks on a background with the XYZ color 38.3865, 17.8328,



# 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

38.3865, 17.8328, 96.0266

### Protanopia

21.7455, 18.3259, 84.8292

### Deuteranopia

18.3460, 18.2782, 62.8827



## Tritanopia

22.1113, 17.8573, 16.1913

# Trichromacy



## Original Color

38.3865, 17.8328, 96.0266



## Protanomaly

21.3814, 12.8537, 87.7403



## Deuteranomaly

18.9800, 12.4573, 73.3556



## Tritanomaly

25.2348, 15.2454, 35.3309

# Monochromacy



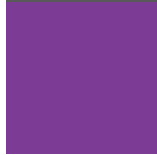
## Original Color

38.3865, 17.8328, 96.0266



## Achromatopsia

9.4954, 9.9899, 10.8790



## Achromatomaly

15.3529, 9.6867, 29.4943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3865, 17.8328, 96.0266 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(186, 8, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 8, 255)  
}
```

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(186, 8, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 8, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3865, 17.8328, 96.0266 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(186, 8, 255) }
```



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

```
.border{ border-color:rgb(186, 8, 255) }
```

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

Here you see how a box with a 4 pixel rgb(186, 8, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 8, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 8, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 8,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3865, 17.8328, 96.0266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 8, 255) }
```

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

```
.background{ background-color: rgb(186, 8,  
255) }
```

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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