

Converting Colors

XYZ(9.0202, 3.8026, 38.7117)

Have a look what the booklet for
XYZ(9.0202, 3.8026, 38.7117)
contains.

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Color

**XYZ(9.0380, 3.8101,
38.7871)**

Conversions

Conversions Part 1

Format	Color
Hex	3900AB
RGB	57, 0, 171
RGB Percent	22%, 0%, 67%
CMY	0.7764, 1.0000, 0.3294
CMYK	0.67, 1.00, 0.00, 0.33
HSL	260°, 100%, 34%
HSV	260°, 100%, 67%
XYZ	9.0380, 3.8101, 38.7871
YIQ	36.5370, -20.9190, 65.2650

Conversions

Conversions Part 2

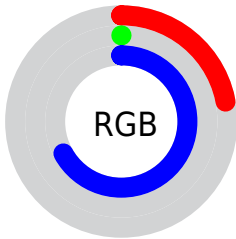
Format	Color
R_{YB}	57, 0, 171
Decimal	3735723
CIE Lab	23.03, 59.97, -74.48
CIE LCh	23, 95.621, 308.841
Yxy	3.8101, 0.1750, 0.0738
Android (android.graphics.Color)	4281925803 (0xFF3900AB)
YUV	36.5370, 66.2903, 17.9461
Hunter-Lab	19.5195, 48.4908, -104.1514

Details

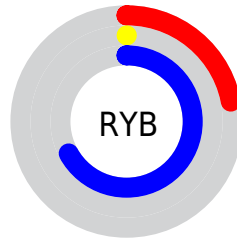
The XYZ color **9.0380, 3.8101, 38.7871** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **21.5016, 32.7029, 5.1790**, and the grayscale version is **1.6698, 1.7568, 1.9131**.

A 20% lighter version of the original color is **23.6663, 13.2214, 74.7034**, and **3.2109, 1.2844, 16.9083** is the 20% darker color. If you saturate the color by 10%, you get **9.0384, 3.8103, 38.7873**, and if you desaturate by 10%, it is **9.9650, 4.5879, 38.8885**.

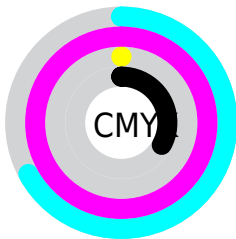
Distribution



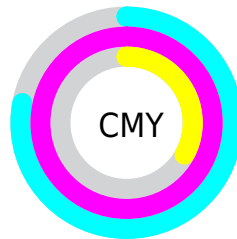
- Red (22%)
- Green (0%)
- Blue (67%)



- Red (22%)
- Yellow (0%)
- Blue (67%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)



- Cyan (78%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.0380, 3.8101, 38.7871 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 9.0380, 3.8101, 38.7871 by changing the saturation by 10% instead.

■ 9.0380, 3.8101,
38.7871

■ 9.0380, 3.8101,
38.7871

177.8622,
137.6362, 356.3834

■ 4.8233, 1.5679,
26.2876

■ 23.6361, 13.1801,
74.5297

■ 2.1776, 0.3358,
16.8112

■ 34.7501, 21.0768,
98.6099

■ 0.7309, 0.0000,
9.9395

■ 48.8947, 31.6270,
127.3874

■ 0.0000, 0.0000,
5.2538

■ 66.4350, 45.2153,
161.2807

■ 0.0000, 0.0000,
2.3356

■ 87.7366, 62.2260,
200.7085

■ 0.0000, 0.0000,
0.7510


■ 113.1648, 83.0434,


■ 0.0000, 0.0000,


246.0891


0.0000

 143.0848,
108.0520, 297.8413

 9.0380, 3.8101,
38.7871


 9.0380, 3.8101,
38.7871


 9.0384, 3.8103,
38.7873

 9.9650, 4.5879,
38.8885

 11.2203, 5.7928,
39.0549

 12.8823, 7.5688,
39.3101

 14.9903, 9.9833,
39.6651

 17.5786, 13.0939,
40.1291

■ 20.6776, 16.9518,
40.7104

■ 24.3153, 21.6029,
41.4164

■ 28.5172, 27.0895,
42.2540

■ 33.3074, 33.4510,
43.2294

Harmonies

Analogous

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



4.6556, 3.8101, 57.6333



9.0380, 3.8101, 38.7871



12.9707, 3.8101, 14.3646

Triad

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



9.0380, 3.8101, 38.7871



6.3386, 3.8101, 0.0000



0.1171, 3.8101, 7.5030

Complementary

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



9.0380, 3.8101, 38.7871



21.5016, 32.7029, 5.1790

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.



0.2468, 3.8101, 0.3634



9.0380, 3.8101, 38.7871



2.7529, 3.8101, 0.0000

Square

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



9.0380, 3.8101, 38.7871



10.8736, 3.8101, 0.0000



0.9653, 3.8101, 0.0000



0.6055, 3.8101, 28.0564

Rectangle

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



9.0380, 3.8101, 38.7871



13.9667, 3.8101, 4.5166



0.9653, 3.8101, 0.0000



0.0899, 3.8101, 3.8010

Sweetspot

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



9.0384, 3.8103, 38.7873



43.1768, 38.2108, 74.1016



13.3680, 14.9749, 40.7141



9.0119, 7.7284, 16.4044



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.0384, 3.8103, 38.7873



15.9855, 6.7201, 69.4565



18.5920, 8.7354, 39.2344



7.8211, 7.8821, 10.0619



6.8644, 2.8986, 29.2422



0.2499, 0.1110, 0.8162

Inverse Universe

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



19.8315, 9.8727, 16.7781



35.4150, 17.6406, 29.5105



15.0556, 29.3799, 4.8774



8.2218, 8.1020, 9.4790



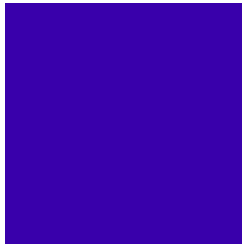
14.9752, 7.4526, 12.7807



0.4406, 0.2169, 0.4818

Previews

White Background



This preview shows how the XYZ color 9.0380, 3.8101, 38.7871 looks on a white background.

Color Contrast Check

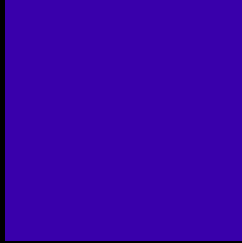
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 9.0380, 3.8101, 38.7871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

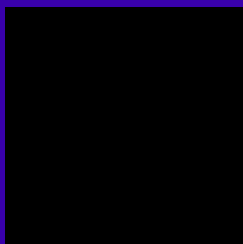
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.0380, 3.8101, 38.7871

Background



This preview shows how black text looks on a background with the XYZ color 9.0380, 3.8101, 38.7871.



This preview shows how white text looks on a background with the XYZ color 9.0380, 3.8101, 38.7871.

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

9.0380, 3.8101, 38.7871

Protanopia

4.6251, 4.1127, 17.3797

Deuteranopia

3.8680, 4.1326, 12.3982



Tritanopia

2.8768, 4.0841, 6.1055

Trichromacy



Original Color

9.0380, 3.8101, 38.7871

Protanomaly

5.4555, 3.2273, 24.0023

Deuteranomaly

4.7040, 3.0263, 19.7382

Tritanomaly

3.6520, 2.7652, 13.7059

Monochromacy



Original Color

9.0380, 3.8101, 38.7871

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

3.0451, 1.8606, 9.0027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.0380, 3.8101, 38.7871 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(57, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(57, 0, 171)  
}
```

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(57, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 9.0380, 3.8101, 38.7871 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(57, 0, 171) }
```


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

```
.border{ border-color:rgb(57, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(57, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(57, 0, 171)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.0380, 3.8101, 38.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 0, 171) }
```

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

```
.background{ background-color: rgb(57, 0,  
171) }
```

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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