

Converting Colors

XYZ(8.2043, 3.3820, 38.6735)

Have a look what the booklet for
XYZ(8.2043, 3.3820, 38.6735)
contains.

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Color

**XYZ(8.2258, 3.3914,
38.7491)**

Conversions

Conversions Part 1

Format	Color
Hex	2800AB
RGB	40, 0, 171
RGB Percent	16%, 0%, 67%
CMY	0.8431, 1.0000, 0.3294
CMYK	0.77, 1.00, 0.00, 0.33
HSL	254°, 100%, 34%
HSV	254°, 100%, 67%
XYZ	8.2258, 3.3914, 38.7491
YIQ	31.4540, -31.0510, 61.6610

Conversions

Conversions Part 2

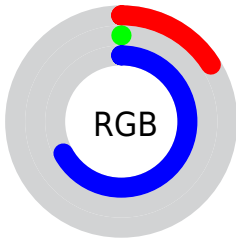
Format	Color
R _Y B	40, 0, 171
Decimal	2621611
CIE Lab	21.55, 59.32, -76.99
CIE LCh	22, 97.195, 307.613
Yxy	3.3914, 0.1633, 0.0673
Android (android.graphics.Color)	4280811691 (0xFF2800AB)
YUV	31.4540, 68.7962, 7.4948
Hunter-Lab	18.4158, 47.5034, -111.8627

Details

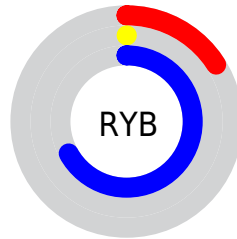
The XYZ color **8.2258, 3.3914, 38.7491** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **23.9213, 33.9503, 5.2923**, and the grayscale version is **1.2895, 1.3566, 1.4774**.

A 20% lighter version of the original color is **22.1027, 12.2539, 74.5991**, and **3.2109, 1.2844, 16.9083** is the 20% darker color. If you saturate the color by 10%, you get **8.2262, 3.3916, 38.7493**, and if you desaturate by 10%, it is **9.0267, 4.1042, 38.8446**.

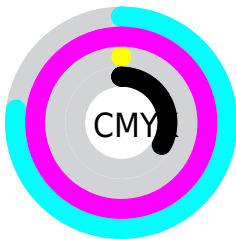
Distribution



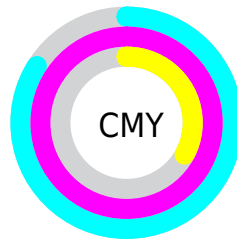
- Red (16%)
- Green (0%)
- Blue (67%)



- Red (16%)
- Yellow (0%)
- Blue (67%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (84%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.2258, 3.3914, 38.7491 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 8.2258, 3.3914, 38.7491 by changing the saturation by 10% instead.


 8.2258, 3.3914,
38.7491


 8.2258, 3.3914,
38.7491


 171.8248,
132.9367, 356.2167


 4.2928, 1.3393,
26.2583


 22.0811, 12.2099,
74.4710


 1.8691, 0.1713,
16.7895


 32.7342, 19.7451,
98.5391


 0.5588, 0.0000,
9.9241


 46.3579, 29.8768,
127.3034

 0.0000, 0.0000,
5.2437

 63.3177, 42.9894,
161.1825

 0.0000, 0.0000,
2.3297

 83.9790, 59.4673,
200.5948

 0.0000, 0.0000,
0.7478


 108.7070, 79.6949,


 0.0000, 0.0000,


245.9589


0.0000


 137.8672,
104.0565, 297.6933


 8.2258, 3.3914,
38.7491

 8.2258, 3.3914,
38.7491


 8.2262, 3.3916,
38.7493

 9.0267, 4.1042,
38.8446

 10.1893, 5.2613,
39.0067

 11.7978, 7.0097,
39.2594

 13.8965, 9.4194,
39.6139

 16.5240, 12.5503,
40.0797

■ 19.7149, 16.4554,
40.6653

■ 23.5006, 21.1829,
41.3783

■ 27.9102, 26.7766,
42.2256

■ 32.9710, 33.2776,
43.2137

Harmonies

Analogous

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



4.0557, 3.3914, 56.8805



8.2258, 3.3914, 38.7491



12.1269, 3.3914, 14.3396

Triad

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



8.2258, 3.3914, 38.7491



5.9797, 3.3914, 0.0000



0.0000, 3.3914, 6.3636

Complementary

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



8.2258, 3.3914, 38.7491



23.9213, 33.9503, 5.2923

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.



0.0734, 3.3914, 0.0094



8.2258, 3.3914, 38.7491



2.5136, 3.3914, 0.0000

Square

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



8.2258, 3.3914, 38.7491



10.3594, 3.3914, 0.0000



0.8192, 3.3914, 0.0000



0.3878, 3.3914, 25.9868

Rectangle

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



8.2258, 3.3914, 38.7491



13.2039, 3.3914, 4.4295



0.8192, 3.3914, 0.0000



0.0000, 3.3914, 3.0424

Sweetspot

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



8.2262, 3.3916, 38.7493



41.7010, 37.4500, 74.0326



15.4805, 19.1998, 41.4182



8.6563, 7.5451, 16.3878



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.



8.2262, 3.3916, 38.7493



14.5762, 5.9935, 69.3905



15.8667, 7.3304, 39.1068



7.7478, 7.8443, 10.0584



6.2414, 2.5774, 29.2130



0.2214, 0.0963, 0.8149

Inverse Universe

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



20.8906, 10.2963, 22.3551



37.3284, 18.4060, 39.5861



15.6717, 29.6975, 4.9062



8.2557, 8.1155, 9.6574



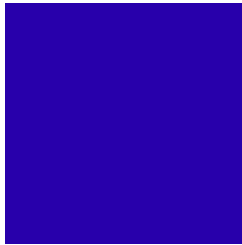
15.7694, 7.7703, 16.9630



0.4580, 0.2239, 0.5735

Previews

White Background



This preview shows how the XYZ color 8.2258, 3.3914, 38.7491 looks on a white background.

Color Contrast Check

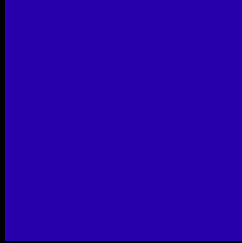
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.2258, 3.3914, 38.7491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

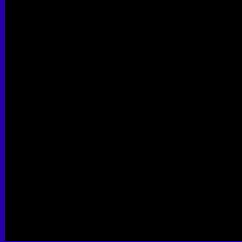
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.2258, 3.3914, 38.7491

Background



This preview shows how black text looks on a background with the XYZ color 8.2258, 3.3914, 38.7491.



This preview shows how white text looks on a background with the XYZ color 8.2258, 3.3914,

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

8.2258, 3.3914, 38.7491

Protanopia

4.1423, 3.6939, 15.5336

Deuteranopia

3.4346, 3.6365, 11.1106



Tritanopia

2.5942, 3.7077, 5.4294

Trichromacy



Original Color

8.2258, 3.3914, 38.7491

Protanomaly

5.0027, 2.9391, 22.4939

Deuteranomaly

4.3407, 2.7685, 18.7179

Tritanomaly

3.3707, 2.5319, 13.1430

Monochromacy



Original Color

8.2258, 3.3914, 38.7491

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

2.4328, 1.4496, 8.1342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.2258, 3.3914, 38.7491 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(40, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 0, 171) }
```

Border

The CSS property to change the border of an element to XYZ 8.2258, 3.3914, 38.7491 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(40, 0, 171) }
```


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

```
.border{ border-color:rgb(40, 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(40, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(40, 0, 171)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.2258, 3.3914, 38.7491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 0, 171) }
```

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

```
.background{ background-color: rgb(40, 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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