

Converting Colors

XYZ(8.8468, 3.8211, 33.8279)

Have a look what the booklet for
XYZ(8.8468, 3.8211, 33.8279)
contains.

XYZ(8.8873, 3.8384, 33.9907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(8.8873, 3.8384,
33.9907)**

Conversions

Conversions Part 1

Format	Color
Hex	4500A1
RGB	69, 0, 161
RGB Percent	27%, 0%, 63%
CMY	0.7294, 1.0000, 0.3686
CMYK	0.57, 1.00, 0.00, 0.37
HSL	266°, 100%, 32%
HSV	266°, 100%, 63%
XYZ	8.8873, 3.8384, 33.9907
YIQ	38.9850, -10.5570, 64.6990

Conversions

Conversions Part 2

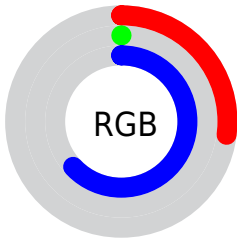
Format	Color
RYB	69, 0, 161
Decimal	4522145
CIELab	23.13, 58.28, -68.21
CIELCh	23, 89.715, 310.511
Yxy	3.8384, 0.1902, 0.0822
Android (android.graphics.Color)	4282712225 (0xFF4500A1)
YUV	38.9850, 60.1534, 26.3232
Hunter-Lab	19.5918, 46.6859, -89.1504

Details

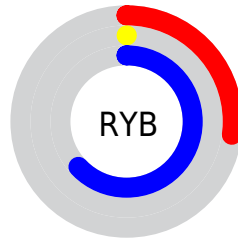
The XYZ color **8.8873, 3.8384, 33.9907** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **17.1581, 27.7649, 4.4548**, and the grayscale version is **1.8775, 1.9752, 2.1510**.

A 20% lighter version of the original color is **23.3552, 13.2319, 66.9687**, and **2.7068, 1.0827, 14.2537** is the 20% darker color. If you saturate the color by 10%, you get **8.8877, 3.8386, 33.9908**, and if you desaturate by 10%, it is **9.7785, 4.5751, 34.0861**.

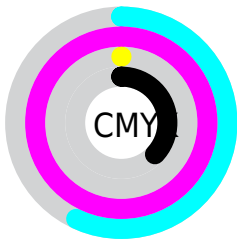
Distribution



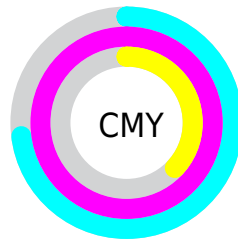
- Red (27%)
- Green (0%)
- Blue (63%)



- Red (27%)
- Yellow (0%)
- Blue (63%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (37%)



- Cyan (73%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.8873, 3.8384, 33.9907 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 8.8873, 3.8384, 33.9907 by changing the saturation by 10% instead.

■ 8.8873, 3.8384,
33.9907

■ 8.8873, 3.8384,
33.9907

■ 176.7598,
137.9450, 334.8585

■ 4.7243, 1.5836,
22.6092

■ 23.3496, 13.2448,
67.0529

■ 2.1195, 0.3465,
14.1026

■ 34.3795, 21.1652,
89.5707

■ 0.6998, 0.0000,
8.0525

■ 48.4291, 31.7429,
116.6376

■ 0.0000, 0.0000,
4.0403

■ 65.8638, 45.3623,
148.6722

■ 0.0000, 0.0000,
1.6475

■ 87.0488, 62.4079,
186.0931


■ 0.0000, 0.0000,
0.3244


■ 112.3496, 83.2639,


■ 0.0000, 0.0000,


229.3187


0.0000

 142.1315,
108.3148, 278.7677


 8.8873, 3.8384,
33.9907

 8.8873, 3.8384,
33.9907


 8.8877, 3.8386,
33.9908

 9.7785, 4.5751,
34.0861

 10.9233, 5.6628,
34.2357

 12.3900, 7.2314,
34.4611

 14.2096, 9.3374,
34.7717

 16.4091, 12.0291,
35.1753

■ 19.0123, 15.3491,
35.6790

■ 22.0412, 19.3360,
36.2889

■ 25.5158, 24.0253,
37.0109

■ 29.4549, 29.4497,
37.8503

Harmonies

Analogous

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



4.8167, 3.8384, 51.3483



8.8873, 3.8384, 33.9907



12.3485, 3.8384, 12.5748

Triad

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



8.8873, 3.8384, 33.9907



5.9557, 3.8384, 0.0000



0.2804, 3.8384, 8.0184

Complementary

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



8.8873, 3.8384, 33.9907



17.1581, 27.7649, 4.4548

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.



0.3692, 3.8384, 0.6955



8.8873, 3.8384, 33.9907



2.6860, 3.8384, 0.0000

Square

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



8.8873, 3.8384, 33.9907



10.1058, 3.8384, 0.0000



1.0227, 3.8384, 0.0000



0.7687, 3.8384, 27.0600

Rectangle

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



8.8873, 3.8384, 33.9907



13.1153, 3.8384, 4.0324



1.0227, 3.8384, 0.0000



0.2438, 3.8384, 4.3298

Sweetspot

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



8.8877, 3.8386, 33.9908



39.1473, 34.1939, 64.9233



10.4284, 10.5638, 35.2077



8.0998, 6.8555, 14.1400



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



8.8877, 3.8386, 33.9908



15.7007, 6.7631, 60.8644



18.5706, 8.8304, 34.4440



6.9749, 7.0014, 8.8869



7.1432, 3.0889, 27.1495



0.2037, 0.0926, 0.5730

Inverse Universe

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



16.6296, 8.3497, 10.8593



29.6814, 14.9134, 18.9182



12.9171, 25.5786, 4.2564



7.2354, 7.1506, 8.2259



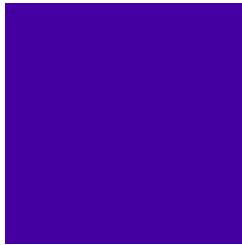
13.3022, 6.6769, 8.7819



0.3025, 0.1495, 0.3058

Previews

White Background



This preview shows how the XYZ color 8.8873, 3.8384, 33.9907 looks on a white background.

Color Contrast Check

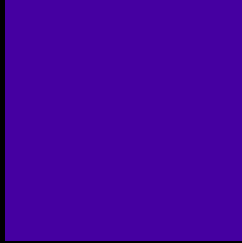
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.8873, 3.8384, 33.9907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

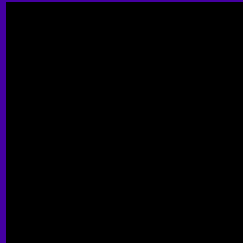
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.8873, 3.8384, 33.9907

Background



This preview shows how black text looks on a background with the XYZ color 8.8873, 3.8384, 33.9907.



This preview shows how white text looks on a background with the XYZ color 8.8873, 3.8384,

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

8.8873, 3.8384, 33.9907

Protanopia

4.6842, 4.1364, 17.6911

Deuteranopia

3.9648, 4.1713, 12.9081



Tritanopia

3.4481, 4.2957, 6.1163

Trichromacy



Original Color

8.8873, 3.8384, 33.9907

Protanomaly

5.3349, 3.1897, 22.8887

Deuteranomaly

4.6692, 3.0230, 19.0763

Tritanomaly

4.2838, 3.0577, 12.9348

Monochromacy



Original Color

8.8873, 3.8384, 33.9907

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

3.2244, 1.9979, 8.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8873, 3.8384, 33.9907 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(69, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(69, 0, 161)  
}
```

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(69, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 8.8873, 3.8384, 33.9907 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(69, 0, 161) }
```


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

```
.border{ border-color:rgb(69, 0, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 0, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(69, 0, 161)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.8873, 3.8384, 33.9907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 0, 161) }
```

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

```
.background{ background-color: rgb(69, 0,  
161) }
```

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