

Converting Colors

XYZ(8.0468, 3.4382, 33.0014)

Have a look what the booklet for
XYZ(8.0468, 3.4382, 33.0014)
contains.

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Color

**XYZ(8.0725, 3.4547,
33.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	3B019F
RGB	59, 1, 159
RGB Percent	23%, 0%, 62%
CMY	0.7686, 0.9961, 0.3765
CMYK	0.63, 0.99, 0.00, 0.38
HSL	262°, 99%, 31%
HSV	262°, 99%, 62%
XYZ	8.0725, 3.4547, 33.0422
YIQ	36.3540, -16.1500, 61.4340

Conversions

Conversions Part 2

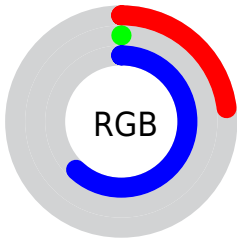
Format	Color
R_{YB}	59, 1, 159
Decimal	3867039
CIE _{Lab}	21.78, 56.94, -69.26
CIE _{LCh}	22, 89.662, 309.422
Yxy	3.4547, 0.1811, 0.0775
Android (android.graphics.Color)	4282057119 (0xFF3B019F)
YUV	36.3540, 60.4645, 19.8605
Hunter-Lab	18.5868, 44.9979, -92.3903

Details

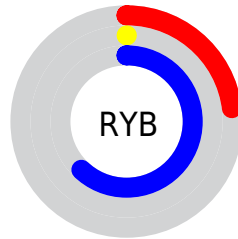
The XYZ color **8.0725, 3.4547, 33.0422** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **17.7690, 27.5645, 4.4125**, and the grayscale version is **1.6590, 1.7454, 1.9008**.

A 20% lighter version of the original color is **21.7341, 12.3446, 65.5272**, and **2.6015, 1.0406, 13.6994** is the 20% darker color. If you saturate the color by 10%, you get **8.0250, 3.4141, 33.0370**, and if you desaturate by 10%, it is **8.9159, 4.1685, 33.1356**.

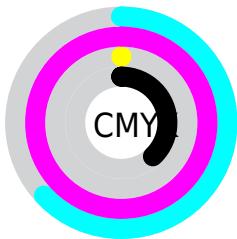
Distribution



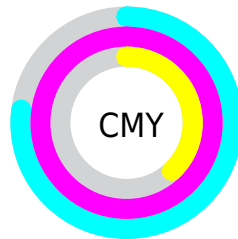
- Red (23%)
- Green (0%)
- Blue (62%)



- Red (23%)
- Yellow (0%)
- Blue (62%)



- Cyan (63%)
- Magenta (99%)
- Yellow (0%)
- Black (38%)



- Cyan (77%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.0725, 3.4547, 33.0422 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 8.0725, 3.4547, 33.0422 by changing the saturation by 10% instead.

■ 8.0725, 3.4547,
33.0422

■ 8.0725, 3.4547,
33.0422

170.6574,
133.6639, 330.4777

■ 4.1936, 1.3735,
21.8874

■ 21.7845, 12.3583,
65.5582

■ 1.8122, 0.1971,
13.5767

■ 32.3483, 19.9494,
87.7564

■ 0.5250, 0.0000,
7.6914

■ 45.8711, 30.1460,
114.4729

■ 0.0000, 0.0000,
3.8132

■ 62.7182, 43.3323,
146.1262

■ 0.0000, 0.0000,
1.5234

■ 83.2551, 59.8929,
183.1347


■ 0.0000, 0.0000,
0.2353


■ 107.8470, 80.2121,


■ 0.0000, 0.0000,


225.9171


0.0000


 136.8593,
104.6743, 274.8919

 8.0725, 3.4547,
33.0422

 8.0725, 3.4547,
33.0422


 8.0250, 3.4141,
33.0370

 8.9159, 4.1685,
33.1356

 10.0314, 5.2473,
33.2851

 11.4819, 6.8076,
33.5098

 13.2985, 8.9042,
33.8187

 15.5087, 11.5843,
34.2196

■ 18.1368, 14.8897,
34.7190

■ 21.2051, 18.8581,
35.3233

■ 24.7342, 23.5244,
36.0380

■ 28.7433, 28.9208,
36.8683

Harmonies

Analogous

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



4.2540, 3.4547, 49.3124



8.0725, 3.4547, 33.0422



11.4284, 3.4547, 12.2885

Triad

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



8.0725, 3.4547, 33.0422



5.5826, 3.4547, 0.0000



0.1325, 3.4547, 6.9206

Complementary

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



8.0725, 3.4547, 33.0422



17.7690, 27.5645, 4.4125

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.



0.2426, 3.4547, 0.4221



8.0725, 3.4547, 33.0422



2.4733, 3.4547, 0.0000

Square

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



8.0725, 3.4547, 33.0422



9.5081, 3.4547, 0.0000



0.9032, 3.4547, 0.0000



0.6009, 3.4547, 24.7605

Rectangle

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



8.0725, 3.4547, 33.0422



12.2411, 3.4547, 3.9204



0.9032, 3.4547, 0.0000



0.1031, 3.4547, 3.6071

Sweetspot

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



8.0728, 3.4547, 33.0423



37.2770, 32.8593, 63.1212



10.9304, 11.8294, 34.5082



7.8990, 6.7520, 14.1306



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.



8.0728, 3.4547, 33.0423



14.1750, 6.0128, 59.1569



16.7389, 7.9223, 33.4479



6.5033, 6.5479, 8.3278



6.3812, 2.7186, 26.0957



0.1587, 0.0716, 0.4687

Inverse Universe

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



16.6572, 8.3318, 13.0389



29.6840, 14.8316, 22.6696



12.7358, 24.9698, 4.1769



6.8007, 6.7132, 7.8018



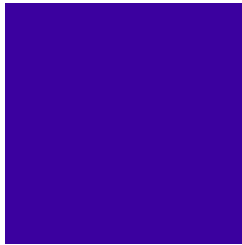
13.1544, 6.5663, 10.3298



0.2550, 0.1253, 0.2888

Previews

White Background



This preview shows how the XYZ color 8.0725, 3.4547, 33.0422 looks on a white background.

Color Contrast Check

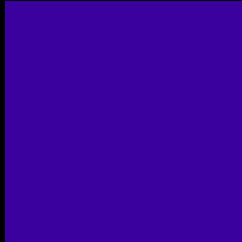
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.0725, 3.4547, 33.0422 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 8.0725, 3.4547, 33.0422

Background



This preview shows how black text looks on a background with the XYZ color 8.0725, 3.4547, 33.0422.



This preview shows how white text looks on a background with the XYZ color 8.0725, 3.4547,

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

8.0725, 3.4547, 33.0422

Protanopia

4.1977, 3.7161, 15.8253

Deuteranopia

3.5287, 3.7525, 11.3648



Tritanopia

2.6521, 3.7308, 5.7346

Trichromacy



Original Color

8.0725, 3.4547, 33.0422

Protanomaly

4.8437, 2.8885, 21.0711

Deuteranomaly

4.2408, 2.7906, 17.4547

Tritanomaly

3.3350, 2.5306, 12.3693

Monochromacy



Original Color

8.0725, 3.4547, 33.0422

Achromatopsia

1.6769, 1.7642, 1.9212

Achromatomaly

2.8303, 1.7423, 7.9717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.0725, 3.4547, 33.0422 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(59, 1, 159)` looks like.

```
.text, #text, p{  
    color:rgb(59, 1, 159)  
}
```

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(59, 1, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 1, 159) }
```

Border

The CSS property to change the border of an element to XYZ 8.0725, 3.4547, 33.0422 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(59, 1, 159) }
```


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

```
.border{ border-color:rgb(59, 1, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 1, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 1, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 1, 159);  
box-shadow:4px 4px 4px 4px rgb(59, 1, 159)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.0725, 3.4547, 33.0422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 1, 159) }
```

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

```
.background{ background-color: rgb(59, 1,  
159) }
```

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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