

Converting Colors

XYZ(16.2804, 8.3228, 3.9295)

Have a look what the booklet for
XYZ(16.2804, 8.3228, 3.9295)
contains.

XYZ(16.3234, 8.3460, 3.8826)	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(16.3234, 8.3460,
3.8826)**

Conversions

Conversions Part 1

Format	Color
Hex	A60033
RGB	166, 0, 51
RGB Percent	65%, 0%, 20%
CMY	0.3490, 0.9999, 0.8000
CMYK	0.00, 1.00, 0.69, 0.35
HSL	342°, 100%, 33%
HSV	342°, 100%, 65%
XYZ	16.3234, 8.3460, 3.8826
YIQ	55.4480, 82.5650, 51.0530

Conversions

Conversions Part 2

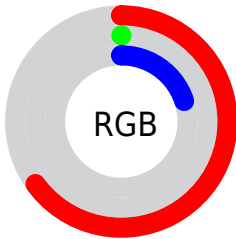
Format	Color
R_{YB}	166, 0, 51
Decimal	10879027
CIE _{Lab}	34.69, 59.42, 21.57
CIE _{LCh}	35, 63.214, 19.954
Yxy	8.3460, 0.5717, 0.2923
Android (android.graphics.Color)	4289069107 (0xFFA60033)
YUV	55.4480, -2.1929, 96.9541
Hunter-Lab	28.8894, 50.3013, 12.2543

Details

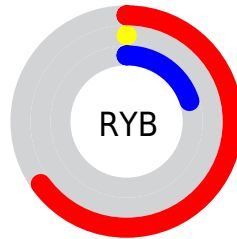
The XYZ color **16.3234, 8.3460, 3.8826** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.7324, 28.5108, 20.8486**, and the grayscale version is **3.6853, 3.8772, 4.2223**.

A 20% lighter version of the original color is **36.8065, 22.6648, 13.7441**, and **5.9822, 3.0795, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **16.3229, 8.3458, 3.8805**, and if you desaturate by 10%, it is **16.8038, 8.8497, 5.4525**.

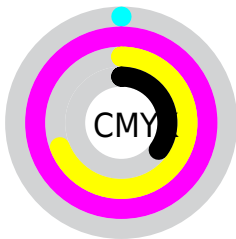
Distribution



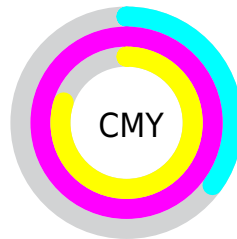
- Red (65%)
- Green (0%)
- Blue (20%)



- Red (65%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (35%)




- Cyan (35%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3234, 8.3460, 3.8826 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 16.3234, 8.3460, 3.8826 by changing the saturation by 10% instead.


 16.3234, 8.3460,
3.8826


 16.3234, 8.3460,
3.8826


224.4756,
178.4212, 146.9114


 9.8456, 4.3171,
1.5612


 36.7117, 22.6340,
13.7381


 5.3582, 1.8525,
0.2629

 51.3528, 33.6619,
22.1092


 2.4958, 0.5196,
0.0000

 69.4458, 47.7916,
33.3340

 0.8931, 0.0000,
0.0000


 91.3560, 65.4076,
47.8309


 0.0000, 0.0000,
0.0000

 117.4487, 86.8941,
66.0186


 148.0893,

112.6356, 88.3156


 183.6432,
143.0165, 115.1403


 16.3234, 8.3460,
3.8826


 16.3234, 8.3460,
3.8826

 16.3229, 8.3458,
3.8805

 16.8038, 8.8497,
5.4525

 17.5121, 9.7017,
7.4289

 18.5188, 11.0373,
9.8544

 19.8570, 12.9166,
12.7577

 21.5550, 15.3911,
16.1646

■ 23.6380, 18.5061,
20.0990

■ 26.1288, 22.3026,
24.5830

■ 29.0485, 26.8180,
29.6377

■ 32.4166, 32.0873,
35.2827

Harmonies

Analogous

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



16.8264, 8.3460, 12.9789



16.3234, 8.3460, 3.8826



13.2379, 8.3460, 0.7987

Triad

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



16.3234, 8.3460, 3.8826



3.7432, 8.3460, 1.3889



6.7913, 8.3460, 45.6118

Complementary

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



16.3234, 8.3460, 3.8826



16.7324, 28.5108, 20.8486

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.



4.2763, 8.3460, 34.0816



16.3234, 8.3460, 3.8826



2.9012, 8.3460, 6.0637

Square

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



16.3234, 8.3460, 3.8826



5.8074, 8.3460, 0.0278



3.0615, 8.3460, 17.6140



10.5218, 8.3460, 43.0763

Rectangle

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



16.3234, 8.3460, 3.8826



10.5343, 8.3460, 0.0302



3.0615, 8.3460, 17.6140



5.7990, 8.3460, 43.0460

Sweetspot

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



16.3236, 8.3465, 3.8827



47.1418, 40.0476, 44.1219



13.7501, 6.2938, 36.5662



10.1225, 8.3087, 9.1127



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.3236, 8.3465, 3.8827



29.5412, 15.1135, 6.6028



16.2018, 9.0587, 0.8953



7.6224, 7.5788, 8.3290



12.6765, 6.4793, 3.1081



0.3310, 0.1667, 0.1946

Inverse Universe

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



16.3236, 8.3465, 3.8827



29.5412, 15.1135, 6.6028



15.6271, 20.2411, 39.1594



7.6224, 7.5788, 8.3290



12.6765, 6.4793, 3.1081



0.3310, 0.1667, 0.1946

Previews

White Background



This preview shows how the XYZ color 16.3234, 8.3460, 3.8826 looks on a white background.

Color Contrast Check

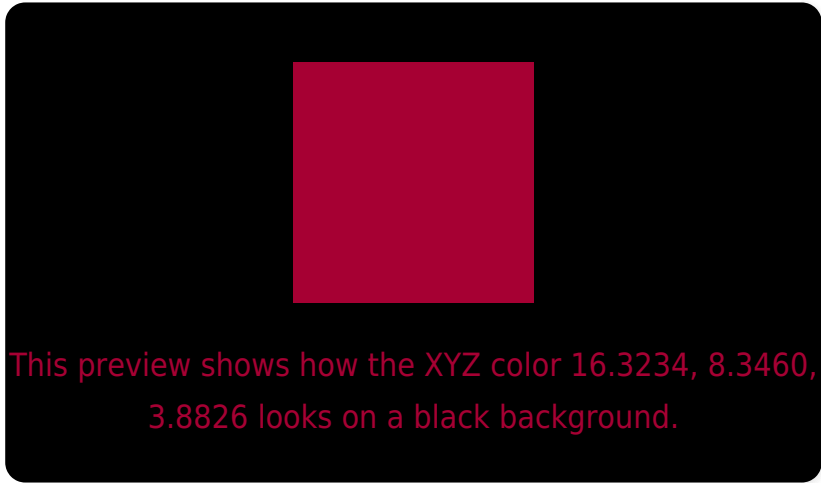
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

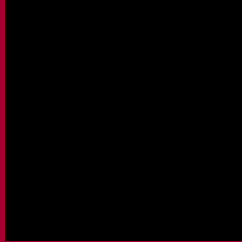
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3234, 8.3460, 3.8826

Background



This preview shows how black text looks on a background with the XYZ color 16.3234, 8.3460, 3.8826.



This preview shows how white text looks on a background with the XYZ color 16.3234, 8.3460,

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

16.3234, 8.3460, 3.8826

Protanopia

8.4993, 8.9372, 8.1146

Deuteranopia

9.0874, 9.0023, 3.5442



Tritanopia

15.8864, 8.5761, 1.3484

Trichromacy



Original Color

16.3234, 8.3460, 3.8826

Protanomaly

9.4887, 6.6645, 6.0965

Deuteranomaly

10.4735, 7.1653, 3.4158

Tritanomaly

15.8827, 8.3759, 1.9420

Monochromacy



Original Color

16.3234, 8.3460, 3.8826

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.9862, 3.9013, 3.9275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3234, 8.3460, 3.8826 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(166, 0, 51)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 51)  
}
```

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(166, 0, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 51) }
```

Border

The CSS property to change the border of an element to XYZ 16.3234, 8.3460, 3.8826 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(166, 0, 51) }
```


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

```
.border{ border-color:rgb(166, 0, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 0, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.3234, 8.3460, 3.8826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 51) }
```

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

```
.background{ background-color: rgb(166, 0,  
51) }
```

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