

Converting Colors

XYZ(15.7231, 8.0388, 3.7517)

Have a look what the booklet for
XYZ(15.7231, 8.0388, 3.7517)
contains.

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Color

**XYZ(15.6800, 8.0168,
3.7386)**

Conversions

Conversions Part 1

Format	Color
Hex	A30032
RGB	163, 0, 50
RGB Percent	64%, 0%, 20%
CMY	0.3608, 0.9999, 0.8039
CMYK	0.00, 1.00, 0.69, 0.36
HSL	342°, 100%, 32%
HSV	342°, 100%, 64%
XYZ	15.6800, 8.0168, 3.7386
YIQ	54.4370, 81.0980, 50.1060

Conversions

Conversions Part 2

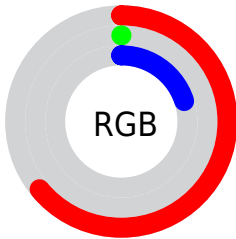
Format	Color
R_{YB}	163, 0, 50
Decimal	10682418
CIE _{Lab}	34.02, 58.63, 21.23
CIE _{LCh}	34, 62.356, 19.908
Yxy	8.0168, 0.5715, 0.2922
Android (android.graphics.Color)	4288872498 (0xFFA30032)
YUV	54.4370, -2.1874, 95.2098
Hunter-Lab	28.3140, 49.3022, 11.9911

Details

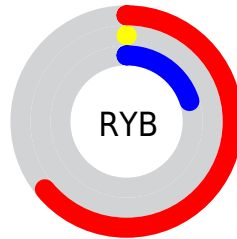
The XYZ color **15.6800, 8.0168, 3.7386** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.0794, 27.3872, 20.0683**, and the grayscale version is **3.5578, 3.7430, 4.0762**.

A 20% lighter version of the original color is **35.4362, 21.8607, 13.4182**, and **5.6209, 2.8945, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **15.6796, 8.0167, 3.7368**, and if you desaturate by 10%, it is **16.1448, 8.5069, 5.2487**.

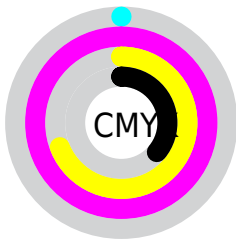
Distribution



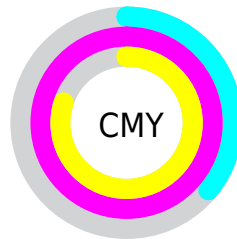
- Red (64%)
- Green (0%)
- Blue (20%)



- Red (64%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6800, 8.0168, 3.7386 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 15.6800, 8.0168, 3.7386 by changing the saturation by 10% instead.


 15.6800, 8.0168,
3.7386


 15.6800, 8.0168,
3.7386


220.7537,
175.8637, 145.2740


 9.3874, 4.1057,
1.4831


 35.6037, 21.9914,
13.4023


 5.0538, 1.7329,
0.2053

 49.9656, 32.8236,
21.6475


 2.3140, 0.4448,
0.0000

 67.7479, 46.7317,
32.7263

 0.8018, 0.0000,
0.0000

 89.3160, 64.1001,
47.0573

 0.0000, 0.0000,
0.0000

 115.0353, 85.3131,
65.0591

 145.2711,

110.7551, 87.1501

180.3888,
140.8105, 113.7489

15.6800, 8.0168,
3.7386

15.6800, 8.0168,
3.7386

15.6796, 8.0167,
3.7368

16.1448, 8.5069,
5.2487

16.8272, 9.3292,
7.1485

17.7958, 10.6153,
9.4790

19.0823, 12.4228,
12.2679

20.7137, 14.8007,
15.5397

■ 22.7141, 17.7923,
19.3174

■ 25.1053, 21.4369,
23.6222

■ 27.9074, 25.7703,
28.4741

■ 31.1391, 30.8256,
33.8920

Harmonies

Analogous

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



16.1585, 8.0168, 12.4852



15.6800, 8.0168, 3.7386



12.7201, 8.0168, 0.7654

Triad

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



15.6800, 8.0168, 3.7386



3.5984, 8.0168, 1.3316



6.5189, 8.0168, 43.7912

Complementary

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



15.6800, 8.0168, 3.7386



16.0794, 27.3872, 20.0683

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.



4.1056, 8.0168, 32.7046



15.6800, 8.0168, 3.7386



2.7881, 8.0168, 5.8135

Square

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



15.6800, 8.0168, 3.7386



5.5829, 8.0168, 0.0015



2.9406, 8.0168, 16.8942



10.1000, 8.0168, 41.3795

Rectangle

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



15.6800, 8.0168, 3.7386



10.1242, 8.0168, 0.0063



2.9406, 8.0168, 16.8942



5.5666, 8.0168, 41.3207

Sweetspot

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



15.6802, 8.0173, 3.7387



44.6979, 37.9868, 41.8396



13.2159, 6.0497, 35.1214



9.6372, 7.9170, 8.6810



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.6802, 8.0173, 3.7387



28.0019, 14.3256, 6.2755



15.5661, 8.7102, 0.8615



7.1590, 7.1201, 7.8239



12.2043, 6.2378, 3.0004



0.2766, 0.1392, 0.1695

Inverse Universe

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



15.6802, 8.0173, 3.7387



28.0019, 14.3256, 6.2755



15.0152, 19.4526, 37.6135



7.1590, 7.1201, 7.8239



12.2043, 6.2378, 3.0004



0.2766, 0.1392, 0.1695

Previews

White Background



This preview shows how the XYZ color 15.6800, 8.0168, 3.7386 looks on a white background.

Color Contrast Check

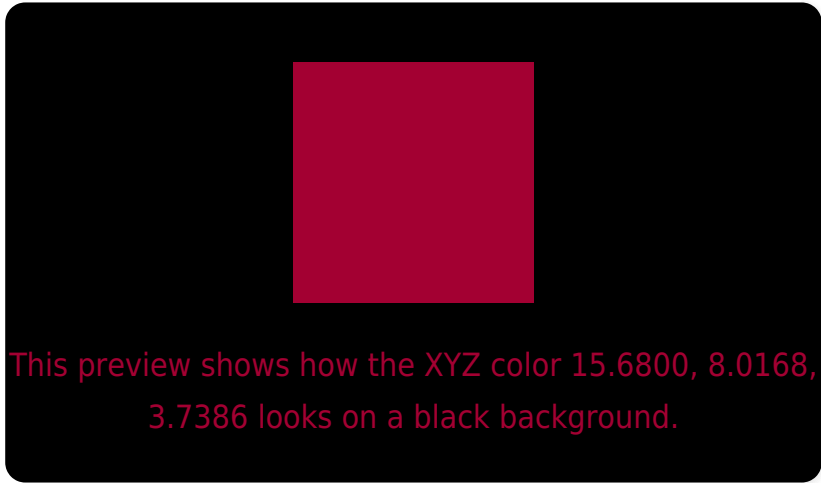
Large Text (above 18pt) WCAG AA ✓ Pass

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

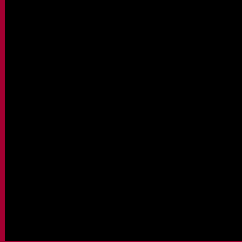
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6800, 8.0168, 3.7386

Background



This preview shows how black text looks on a background with the XYZ color 15.6800, 8.0168, 3.7386.



This preview shows how white text looks on a background with the XYZ color 15.6800, 8.0168,

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

15.6800, 8.0168, 3.7386

Protanopia

8.2598, 8.7072, 7.7239

Deuteranopia

8.6934, 8.5839, 3.3892



Tritanopia

15.2516, 8.2222, 1.3135

Trichromacy



Original Color

15.6800, 8.0168, 3.7386

Protanomaly

9.2975, 6.5727, 5.7797

Deuteranomaly

9.9264, 6.7558, 3.2634

Tritanomaly

15.2660, 8.0579, 1.9131

Monochromacy



Original Color

15.6800, 8.0168, 3.7386

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.8307, 3.7808, 3.7906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6800, 8.0168, 3.7386 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(163, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 50)  
}
```

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(163, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 15.6800, 8.0168, 3.7386 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(163, 0, 50) }
```


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

```
.border{ border-color:rgb(163, 0, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6800, 8.0168, 3.7386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 50) }
```

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

```
.background{ background-color: rgb(163, 0,  
50) }
```

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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