

Converting Colors

XYZ(15.7033, 8.0310, 3.6472)

Have a look what the booklet for
XYZ(15.7033, 8.0310, 3.6472)
contains.

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Color

**XYZ(15.6586, 8.0083,
3.6262)**

Conversions

Conversions Part 1

Format	Color
Hex	A30031
RGB	163, 0, 49
RGB Percent	64%, 0%, 19%
CMY	0.3608, 0.9999, 0.8078
CMYK	0.00, 1.00, 0.70, 0.36
HSL	342°, 100%, 32%
HSV	342°, 100%, 64%
XYZ	15.6586, 8.0083, 3.6262
YIQ	54.3230, 81.4190, 49.7950

Conversions

Conversions Part 2

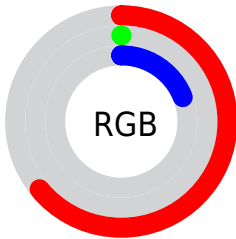
Format	Color
RYB	163, 0, 49
Decimal	10682417
CIELab	34.00, 58.58, 21.86
CIELCh	34, 62.527, 20.464
Yxy	8.0083, 0.5737, 0.2934
Android (android.graphics.Color)	4288872497 (0xFFA30031)
YUV	54.3230, -2.6242, 95.3097
Hunter-Lab	28.2989, 49.2459, 12.2119

Details

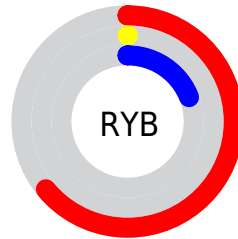
The XYZ color **15.6586, 8.0083, 3.6262** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.1362, 27.4098, 20.3677**, and the grayscale version is **3.5443, 3.7289, 4.0608**.

A 20% lighter version of the original color is **35.7013, 22.0027, 13.1917**, and **5.6100, 2.8901, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **15.6581, 8.0080, 3.6241**, and if you desaturate by 10%, it is **16.1206, 8.4973, 5.1214**.

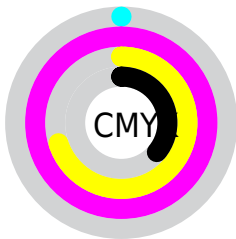
Distribution



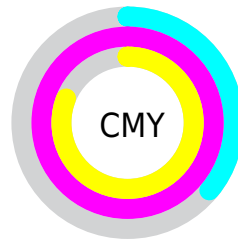
- Red (64%)
- Green (0%)
- Blue (19%)



- Red (64%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6586, 8.0083, 3.6262 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 15.6586, 8.0083, 3.6262 by changing the saturation by 10% instead.


 15.6586, 8.0083,
3.6262


 15.6586, 8.0083,
3.6262


220.6289,
175.7971, 143.9753


 9.3722, 4.1003,
1.4226


 35.5667, 21.9747,
13.1381

 5.0438, 1.7298,
0.1593

 49.9192, 32.8019,
21.2834


 2.3080, 0.4428,
0.0000

 67.6911, 46.7042,
32.2464

 0.7988, 0.0000,
0.0000

 89.2477, 64.0661,
46.4456

 0.0000, 0.0000,
0.0000

 114.9544, 85.2719,
64.2996

 145.1767,

110.7061, 86.2268

180.2797,
140.7530, 112.6459

15.6586, 8.0083,
3.6262

15.6586, 8.0083,
3.6262

15.6581, 8.0080,
3.6241

16.1206, 8.4973,
5.1214

16.8010, 9.3189,
7.0106

17.7687, 10.6047,
9.3357

19.0552, 12.4123,
12.1247

20.6879, 14.7908,
15.4028

■ 22.6908, 17.7836,
19.1933

■ 25.0858, 21.4298,
23.5180

■ 27.8931, 25.7654,
28.3972

■ 31.1316, 30.8235,
33.8502

Harmonies

Analogous

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



16.1927, 8.0083, 12.2560



15.6586, 8.0083, 3.6262



12.6557, 8.0083, 0.7270

Triad

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



15.6586, 8.0083, 3.6262



3.5603, 8.0083, 1.3600



6.5660, 8.0083, 44.0062

Complementary

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



15.6586, 8.0083, 3.6262



16.1362, 27.4098, 20.3677

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.



4.1253, 8.0083, 33.0639



15.6586, 8.0083, 3.6262



2.7692, 8.0083, 5.9389

Square

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



15.6586, 8.0083, 3.6262



5.5225, 8.0083, 0.0028



2.9390, 8.0083, 17.1773



10.1707, 8.0083, 41.3118

Rectangle

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



15.6586, 8.0083, 3.6262



10.0490, 8.0083, 0.0000



2.9390, 8.0083, 17.1773



5.6042, 8.0083, 41.6087

Sweetspot

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



15.6588, 8.0088, 3.6263



44.6616, 37.9723, 41.6488



13.2160, 6.0499, 35.1212



9.6284, 7.9135, 8.6346



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.



15.6588, 8.0088, 3.6263



27.9647, 14.3107, 6.0794



15.5661, 8.7103, 0.8616



7.1573, 7.1194, 7.8148



12.1874, 6.2310, 2.9116



0.2760, 0.1389, 0.1663

Inverse Universe

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



15.6588, 8.0088, 3.6263



27.9647, 14.3107, 6.0794



15.0153, 19.4527, 37.6133



7.1573, 7.1194, 7.8148



12.1874, 6.2310, 2.9116



0.2760, 0.1389, 0.1663

Previews

White Background



This preview shows how the XYZ color 15.6586, 8.0083, 3.6262 looks on a white background.

Color Contrast Check

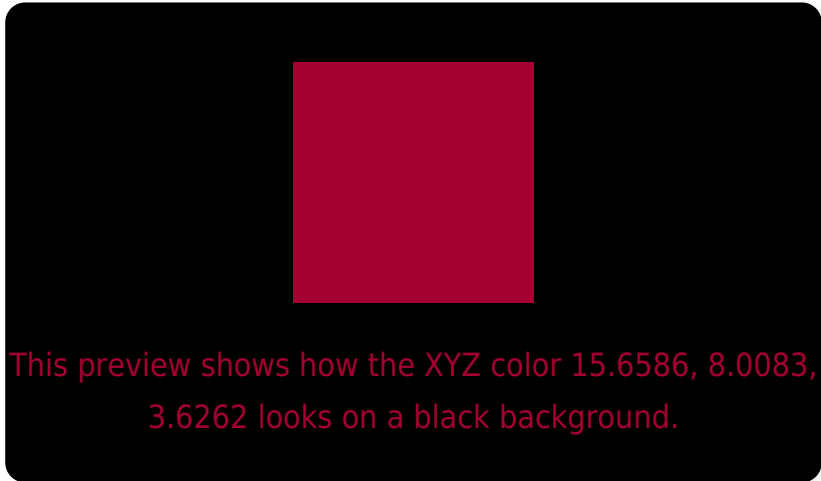
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6586, 8.0083, 3.6262

Background



This preview shows how black text looks on a background with the XYZ color 15.6586, 8.0083, 3.6262.



This preview shows how white text looks on a background with the XYZ color 15.6586, 8.0083,

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

15.6586, 8.0083, 3.6262

Protanopia

8.2263, 8.6938, 7.5478

Deuteranopia

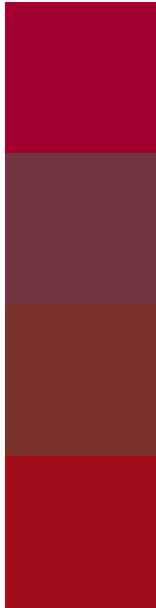
8.6757, 8.5768, 3.2961



Tritanopia

15.2440, 8.2191, 1.2732

Trichromacy



Original Color

15.6586, 8.0083, 3.6262

Protanomaly

9.2687, 6.5612, 5.6284

Deuteranomaly

9.9074, 6.7481, 3.1632

Tritanomaly

15.2538, 8.0531, 1.8490

Monochromacy



Original Color

15.6586, 8.0083, 3.6262

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.8080, 3.7717, 3.6707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6586, 8.0083, 3.6262 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 15.6586, 8.0083, 3.6262 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, 49) }
```


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

```
.border{ border-color:rgb(163, 0, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6586, 8.0083, 3.6262 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, 49) }
```

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

```
.background{ background-color: rgb(163, 0,  
49) }
```

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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