

Converting Colors

XYZ(15.9930, 8.1469, 5.1726)

Have a look what the booklet for
XYZ(15.9930, 8.1469, 5.1726)
contains.

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Color

**XYZ(15.9466, 8.1235,
5.1424)**

Conversions

Conversions Part 1

Format	Color
Hex	A3003D
RGB	163, 0, 61
RGB Percent	64%, 0%, 24%
CMY	0.3608, 0.9999, 0.7608
CMYK	0.00, 1.00, 0.63, 0.36
HSL	338°, 100%, 32%
HSV	338°, 100%, 64%
XYZ	15.9466, 8.1235, 5.1424
YIQ	55.6910, 77.5670, 53.5270

Conversions

Conversions Part 2

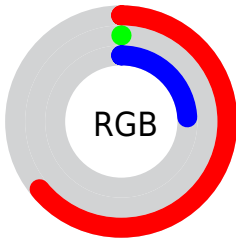
Format	Color
R_YB	163, 0, 61
Decimal	10682429
CIE Lab	34.24, 59.22, 14.33
CIE LCh	34, 60.931, 13.598
Yxy	8.1235, 0.5459, 0.2781
Android (android.graphics.Color)	4288872509 (0xFFA3003D)
YUV	55.6910, 2.6173, 94.1100
Hunter-Lab	28.5018, 49.9919, 9.2539

Details

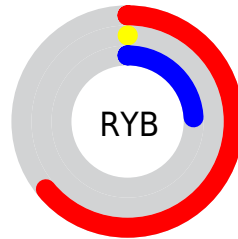
The XYZ color **15.9466, 8.1235, 5.1424** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.4970, 27.1543, 17.0017**, and the grayscale version is **3.7108, 3.9041, 4.2515**.

A 20% lighter version of the original color is **36.1011, 22.2378, 16.5769**, and **5.8352, 2.9936, 0.9321** is the 20% darker color. If you saturate the color by 10%, you get **15.9461, 8.1232, 5.1400**, and if you desaturate by 10%, it is **16.4382, 8.6244, 6.7935**.

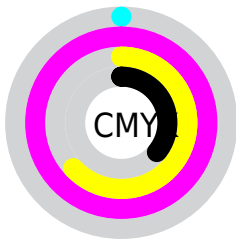
Distribution



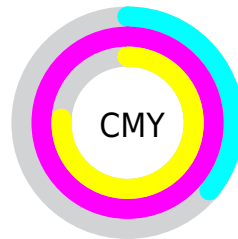
- Red (64%)
- Green (0%)
- Blue (24%)



- Red (64%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9466, 8.1235, 5.1424 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 15.9466, 8.1235, 5.1424 by changing the saturation by 10% instead.


 15.9466, 8.1235,
5.1424

 15.9466, 8.1235,
5.1424


222.3030,
176.6975, 160.1837


 9.5770, 4.1741,
2.2709


 36.0637, 22.2002,
16.5689


 5.1795, 1.7714,
0.7148


 50.5418, 33.0963,
25.9609


 2.3888, 0.4693,
0.0000

 68.4536, 47.0767,
38.3634

 0.8395, 0.0000,
0.0000

 90.1642, 64.5258,
54.1951

 0.0000, 0.0000,
0.0000

 116.0391, 85.8280,
73.8745

 146.4436,

111.3678, 97.8200

181.7431,
141.5295, 126.4502

15.9466, 8.1235,
5.1424

15.9466, 8.1235,
5.1424

15.9461, 8.1232,
5.1400

16.4382, 8.6244,
6.7935

17.1381, 9.4538,
8.7856

18.1140, 10.7428,
11.1538

19.3962, 12.5486,
13.9200

21.0110, 14.9200,
17.1041

■ 22.9815, 17.8998,
20.7244

■ 25.3289, 21.5269,
24.7979

■ 28.0723, 25.8369,
29.3407

■ 31.2299, 30.8627,
34.3680

Harmonies

Analogous

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



15.8131, 8.1235, 15.2323



15.9466, 8.1235, 5.1424



13.4684, 8.1235, 1.2075

Triad

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



15.9466, 8.1235, 5.1424



4.0423, 8.1235, 1.0442



6.0231, 8.1235, 41.5531

Complementary

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



15.9466, 8.1235, 5.1424



15.4970, 27.1543, 17.0017

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.



3.8976, 8.1235, 28.9707



15.9466, 8.1235, 5.1424



3.0046, 8.1235, 4.5519

Square

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



15.9466, 8.1235, 5.1424



6.2879, 8.1235, 0.0000



2.9608, 8.1235, 13.9994



9.3571, 8.1235, 42.2198

Rectangle

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



15.9466, 8.1235, 5.1424



10.9971, 8.1235, 0.3116



2.9608, 8.1235, 13.9994



5.1704, 8.1235, 38.3108

Sweetspot

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



15.9468, 8.1240, 5.1425



45.1026, 38.1487, 43.9710



11.9251, 5.3844, 35.0610



9.7358, 7.9564, 9.2000



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.



15.9468, 8.1240, 5.1425



28.4686, 14.5123, 8.7332



15.3379, 8.2537, 0.7855



7.1783, 7.1278, 7.9251



12.4137, 6.3215, 4.1029



0.2832, 0.1418, 0.2042

Inverse Universe

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



15.9468, 8.1240, 5.1425



28.4686, 14.5123, 8.7332



16.5823, 22.5868, 38.1359



7.1783, 7.1278, 7.9251



12.4137, 6.3215, 4.1029



0.2832, 0.1418, 0.2042

Previews

White Background



This preview shows how the XYZ color 15.9466, 8.1235, 5.1424 looks on a white background.

Color Contrast Check

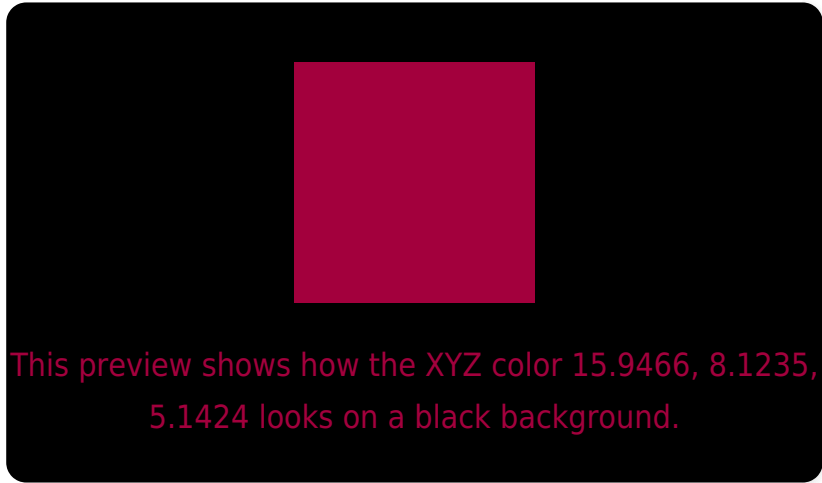
Large Text (above 18pt) WCAG AA ✓ Pass

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

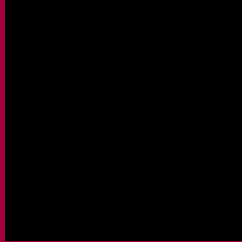
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9466, 8.1235, 5.1424

Background



This preview shows how black text looks on a background with the XYZ color 15.9466, 8.1235, 5.1424.



This preview shows how white text looks on a background with the XYZ color 15.9466, 8.1235,

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

15.9466, 8.1235, 5.1424

Protanopia

8.4637, 8.7468, 10.6934

Deuteranopia

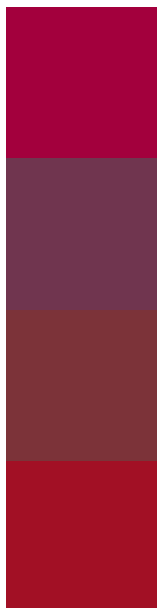
8.9013, 8.7704, 4.7137



Tritanopia

15.4026, 8.4385, 1.6276

Trichromacy



Original Color

15.9466, 8.1235, 5.1424

Protanomaly

9.3665, 6.5555, 8.1688

Deuteranomaly

10.2345, 6.9481, 4.6726

Tritanomaly

15.4195, 8.1855, 2.5175

Monochromacy



Original Color

15.9466, 8.1235, 5.1424

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.1139, 4.0001, 4.4529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9466, 8.1235, 5.1424 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, 61)` looks like.

```
.text, #text, p{  
  color:rgb(163, 0, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 61) }
```

Border

The CSS property to change the border of an element to XYZ 15.9466, 8.1235, 5.1424 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, 61) }
```


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

```
.border{ border-color:rgb(163, 0, 61) }
```

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, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9466, 8.1235, 5.1424 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, 61) }
```

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

```
.background{ background-color: rgb(163, 0,  
61) }
```

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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