

Converting Colors

XYZ(15.9391, 8.1821, 4.7138)

Have a look what the booklet for
XYZ(15.9391, 8.1821, 4.7138)
contains.

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Color

**XYZ(15.9005, 8.1571,
4.7394)**

Conversions

Conversions Part 1

Format	Color
Hex	A3033A
RGB	163, 3, 58
RGB Percent	64%, 1%, 23%
CMY	0.3608, 0.9881, 0.7725
CMYK	0.00, 0.98, 0.64, 0.36
HSL	339°, 96%, 33%
HSV	339°, 98%, 64%
XYZ	15.9005, 8.1571, 4.7394
YIQ	57.1100, 77.7050, 51.0250

Conversions

Conversions Part 2

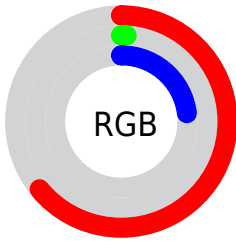
Format	Color
RYB	163, 3, 58
Decimal	10683194
CIELab	34.31, 58.66, 16.38
CIElCh	34, 60.904, 15.606
Yxy	8.1571, 0.5522, 0.2833
Android (android.graphics.Color)	4288873274 (0xFFA3033A)
YUV	57.1100, 0.4388, 92.8655
Hunter-Lab	28.5606, 49.3948, 10.1538

Details

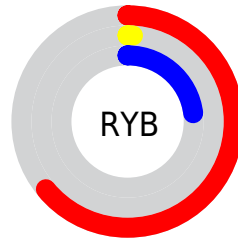
The XYZ color **15.9005, 8.1571, 4.7394** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.8430, 27.2969, 18.6276**, and the grayscale version is **3.8974, 4.1004, 4.4653**.

A 20% lighter version of the original color is **36.0147, 22.3160, 15.7738**, and **5.6870, 2.9210, 0.7543** is the 20% darker color. If you saturate the color by 10%, you get **15.8183, 8.0722, 4.4677**, and if you desaturate by 10%, it is **16.4074, 8.6892, 6.3937**.

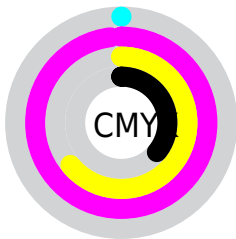
Distribution



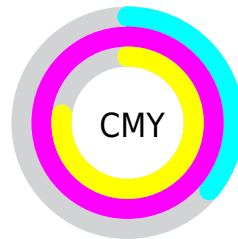
- Red (64%)
- Green (1%)
- Blue (23%)



- Red (64%)
- Yellow (1%)
- Blue (23%)



- Cyan (0%)
- Magenta (98%)
- Yellow (64%)
- Black (36%)




- Cyan (36%)
- Magenta (99%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9005, 8.1571, 4.7394 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 15.9005, 8.1571, 4.7394 by changing the saturation by 10% instead.


 15.9005, 8.1571,
4.7394


 15.9005, 8.1571,
4.7394


222.0358,
176.9591, 156.1199


 9.5442, 4.1956,
2.0391


 35.9842, 22.2658,
15.6820


 5.1577, 1.7836,
0.5792

 50.4423, 33.1819,
24.7615


 2.3758, 0.4769,
0.0000

 68.3317, 47.1850,
36.8044

 0.8330, 0.0000,
0.0000

 90.0178, 64.6595,
52.2293

 0.0000, 0.0000,
0.0000

 115.8659, 85.9897,
71.4548

 146.2414,

111.5601, 94.8993

181.5096,
141.7551, 122.9815

15.9005, 8.1571,
4.7394

15.9005, 8.1571,
4.7394

15.8183, 8.0722,
4.4677

16.4074, 8.6892,
6.3937

17.1495, 9.5959,
8.4214

18.1783, 10.9755,
10.8545

19.5237, 12.8834,
13.7167

21.2117, 15.3673,
17.0296

■ 23.2654, 18.4695,
20.8130

■ 25.7058, 22.2282,
25.0857

■ 28.5523, 26.6787,
29.8651

■ 31.8230, 31.8536,
35.1679

Harmonies

Analogous

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



15.9583, 8.1571, 14.3917



15.9005, 8.1571, 4.7394



13.2801, 8.1571, 1.0987

Triad

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



15.9005, 8.1571, 4.7394



3.9593, 8.1571, 1.1697



6.2399, 8.1571, 42.1231

Complementary

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



15.9005, 8.1571, 4.7394



15.8430, 27.2969, 18.6276

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.



4.0220, 8.1571, 30.0796



15.9005, 8.1571, 4.7394



2.9907, 8.1571, 4.9954

Square

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



15.9005, 8.1571, 4.7394



6.1251, 8.1571, 0.0344



3.0097, 8.1571, 14.9255



9.6467, 8.1571, 41.8346

Rectangle

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



15.9005, 8.1571, 4.7394



10.7762, 8.1571, 0.2576



3.0097, 8.1571, 14.9255



5.3559, 8.1571, 39.1395

Sweetspot

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



15.9007, 8.1576, 4.7395



45.3858, 38.7987, 43.8073



12.7080, 5.8363, 35.1068



9.7836, 8.0811, 9.1263



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.



15.9007, 8.1576, 4.7395



28.2444, 14.4226, 7.5525



15.5131, 8.5779, 0.9249



7.1696, 7.1243, 7.8793



12.3135, 6.2814, 3.5754



0.2803, 0.1406, 0.1885

Inverse Universe

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



15.9007, 8.1576, 4.7395



28.2444, 14.4226, 7.5525



15.8817, 21.1300, 37.8915



7.1696, 7.1243, 7.8793



12.3135, 6.2814, 3.5754



0.2803, 0.1406, 0.1885

Previews

White Background



This preview shows how the XYZ color 15.9005, 8.1571, 4.7394 looks on a white background.

Color Contrast Check

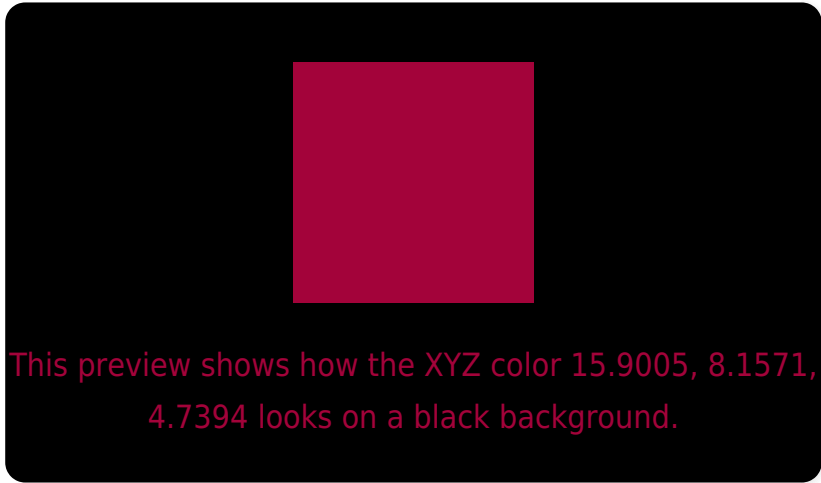
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9005, 8.1571, 4.7394

Background



This preview shows how black text looks on a background with the XYZ color 15.9005, 8.1571, 4.7394.



This preview shows how white text looks on a background with the XYZ color 15.9005, 8.1571,

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

15.9005, 8.1571, 4.7394

Protanopia

8.3891, 8.7272, 9.8367

Deuteranopia

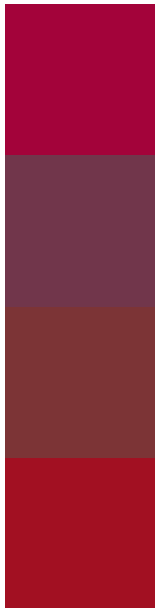
8.8330, 8.7430, 4.3540



Tritanopia

15.3420, 8.3483, 1.5122

Trichromacy



Original Color

15.9005, 8.1571, 4.7394

Protanomaly

9.3992, 6.6570, 7.4462

Deuteranomaly

10.2060, 7.0074, 4.3047

Tritanomaly

15.3743, 8.1675, 2.2795

Monochromacy



Original Color

15.9005, 8.1571, 4.7394

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.2240, 4.1053, 4.3353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9005, 8.1571, 4.7394 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, 3, 58)` looks like.

```
.text, #text, p{  
    color:rgb(163, 3, 58)  
}
```

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, 3, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 3, 58) }
```

Border

The CSS property to change the border of an element to XYZ 15.9005, 8.1571, 4.7394 is called "border". The border property can be set on classes, ids or directly on the HTML element.

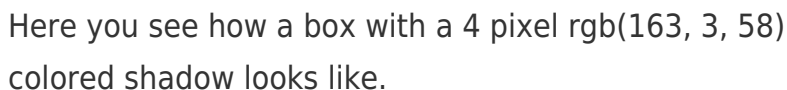
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 3, 58) }
```


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

```
.border{ border-color:rgb(163, 3, 58) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 3, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 3, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 3, 58);  
box-shadow:4px 4px 4px 4px rgb(163, 3, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9005, 8.1571, 4.7394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 3, 58) }
```

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

```
.background{ background-color: rgb(163, 3,  
58) }
```

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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