

Converting Colors

XYZ(15.3005, 7.8633, 1.8180)

Have a look what the booklet for
XYZ(15.3005, 7.8633, 1.8180)
contains.

XYZ(15.3139, 7.8704, 1.8106)	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(15.3139, 7.8704,
1.8106)**

Conversions

Conversions Part 1

Format	Color
Hex	A3001C
RGB	163, 0, 28
RGB Percent	64%, 0%, 11%
CMY	0.3608, 0.9999, 0.8902
CMYK	0.00, 1.00, 0.83, 0.36
HSL	350°, 100%, 32%
HSV	350°, 100%, 64%
XYZ	15.3139, 7.8704, 1.8106
YIQ	51.9290, 88.1600, 43.2640

Conversions

Conversions Part 2

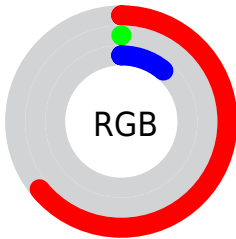
Format	Color
RYB	163, 0, 28
Decimal	10682396
CIELab	33.71, 57.80, 34.66
CIELCh	34, 67.396, 30.950
Yxy	7.8704, 0.6127, 0.3149
Android (android.graphics.Color)	4288872476 (0xFFA3001C)
YUV	51.9290, -11.7970, 97.4093
Hunter-Lab	28.0542, 48.3425, 15.8114

Details

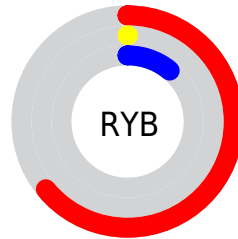
The XYZ color **15.3139, 7.8704, 1.8106** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.4725, 27.9444, 27.4042**, and the grayscale version is **3.2635, 3.4334, 3.7390**.

A 20% lighter version of the original color is **35.1182, 21.8055, 8.4888**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.3135, 7.8702, 1.8092**, and if you desaturate by 10%, it is **15.7034, 8.3304, 2.9243**.

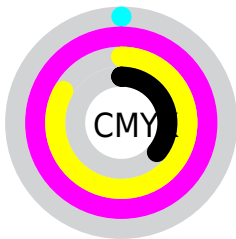
Distribution



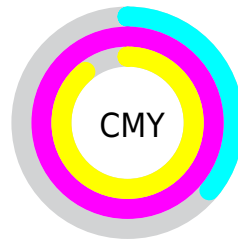
- Red (64%)
- Green (0%)
- Blue (11%)



- Red (64%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3139, 7.8704, 1.8106 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 15.3139, 7.8704, 1.8106 by changing the saturation by 10% instead.


 15.3139, 7.8704,
1.8106


 15.3139, 7.8704,
1.8106


218.6093,
174.7119, 119.3628


 9.1277, 4.0121,
0.4349


 34.9701, 21.7040,
8.5162

 4.8824, 1.6804,
0.0000

 49.1708, 32.4481,
14.7742

 2.2125, 0.4109,
0.0000

 66.7737, 46.2563,
23.5271

 0.7493, 0.0000,
0.0000


 88.1443, 63.5129,
35.1933


 0.0000, 0.0000,
0.0000


 113.6477, 84.6024,
50.1914


 143.6495,

109.9091, 68.9400

 178.5149,
139.8175, 91.8577


 15.3139, 7.8704,
1.8106


 15.3139, 7.8704,
1.8106

 15.3135, 7.8702,
1.8092

 15.7034, 8.3304,
2.9243

 16.3274, 9.1294,
4.5166

 17.2583, 10.4005,
6.6481

 18.5308, 12.2024,
9.3630

 20.1747, 14.5854,
12.7005

■ 22.2166, 17.5938,
16.6966

■ 24.6806, 21.2675,
21.3843

■ 27.5888, 25.6434,
26.7945

■ 30.9617, 30.7554,
32.9561

Harmonies

Analogous

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



16.9904, 7.8704, 8.2387



15.3139, 7.8704, 1.8106



11.4582, 7.8704, 0.0000

Triad

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



15.3139, 7.8704, 1.8106



2.8511, 7.8704, 2.0244



7.5982, 7.8704, 48.8382

Complementary

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



15.3139, 7.8704, 1.8106



17.4725, 27.9444, 27.4042

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.



4.5499, 7.8704, 41.1730



15.3139, 7.8704, 1.8106



2.4098, 7.8704, 8.9091

Square

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



15.3139, 7.8704, 1.8106



4.4060, 7.8704, 0.0226



2.9131, 7.8704, 23.7372



11.7296, 7.8704, 40.2260

Rectangle

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



15.3139, 7.8704, 1.8106



8.6467, 7.8704, 0.0000



2.9131, 7.8704, 23.7372



6.4243, 7.8704, 48.0484

Sweetspot

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



15.3141, 7.8709, 1.8107



43.9275, 37.6786, 37.7828



16.3031, 7.6413, 35.2658



9.4512, 7.8426, 7.7014



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.



15.3141, 7.8709, 1.8107



27.3741, 14.0745, 2.9694



16.3161, 10.2100, 1.1115



7.1211, 7.1049, 7.6241



11.9137, 6.1216, 1.4705



0.2634, 0.1339, 0.0999

Inverse Universe

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



15.3141, 7.8709, 1.8107



27.3741, 14.0745, 2.9694



12.3384, 14.0990, 36.7212



7.1211, 7.1049, 7.6241



11.9137, 6.1216, 1.4705



0.2634, 0.1339, 0.0999

Previews

White Background



This preview shows how the XYZ color 15.3139, 7.8704, 1.8106 looks on a white background.

Color Contrast Check

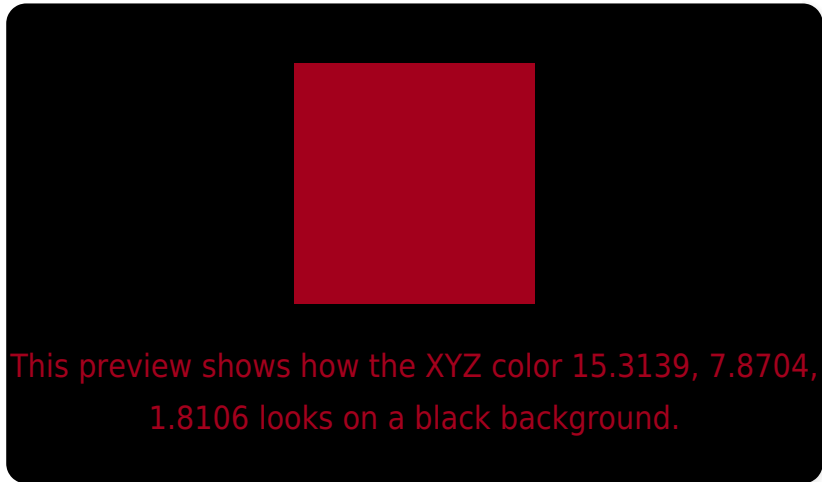
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3139, 7.8704, 1.8106

Background



This preview shows how black text looks on a background with the XYZ color 15.3139, 7.8704, 1.8106.



This preview shows how white text looks on a background with the XYZ color 15.3139, 7.8704,

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

15.3139, 7.8704, 1.8106

Protanopia

7.8813, 8.6001, 3.7272

Deuteranopia

8.4997, 8.4184, 1.5248



Tritanopia

15.0711, 8.0230, 0.7543

Trichromacy



Original Color

15.3139, 7.8704, 1.8106

Protanomaly

8.9754, 6.4746, 2.6961

Deuteranomaly

9.7072, 6.6849, 1.3509

Tritanomaly

15.0636, 7.9204, 1.0220

Monochromacy



Original Color

15.3139, 7.8704, 1.8106

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.3935, 3.5374, 2.6840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3139, 7.8704, 1.8106 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 28) }
```

Border

The CSS property to change the border of an element to XYZ 15.3139, 7.8704, 1.8106 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, 28) }
```


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

```
.border{ border-color:rgb(163, 0, 28) }
```

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, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(163, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3139, 7.8704, 1.8106 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, 28) }
```

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

```
.background{ background-color: rgb(163, 0,  
28) }
```

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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