

Converting Colors

XYZ(15.7873, 10.3496, 1.1656)

Have a look what the booklet for
XYZ(15.7873, 10.3496, 1.1656)
contains.

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Color

**XYZ(15.8111, 10.3970,
1.1735)**

Conversions

Conversions Part 1

Format	Color
Hex	9F3A00
RGB	159, 58, 0
RGB Percent	62%, 23%, 0%
CMY	0.3765, 0.7725, 1.0000
CMYK	0.00, 0.64, 1.00, 0.38
HSL	22°, 100%, 31%
HSV	22°, 100%, 62%
XYZ	15.8111, 10.3970, 1.1735
YIQ	81.5870, 78.8140, 3.3740

Conversions

Conversions Part 2

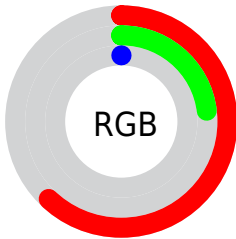
Format	Color
R _Y B	159, 91, 0
Decimal	10435072
CIE Lab	38.55, 39.88, 49.87
CIE LCh	39, 63.849, 51.353
Yxy	10.3970, 0.5774, 0.3797
Android (android.graphics.Color)	4288625152 (0xFF9F3A00)
YUV	81.5870, -40.2224, 67.8912
Hunter-Lab	32.2444, 31.1002, 20.4133

Details

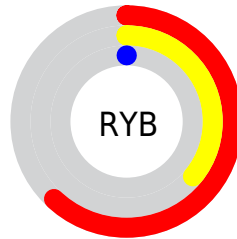
The XYZ color **15.8111, 10.3970, 1.1735** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.9112, 11.8097, 34.5050**, and the grayscale version is **8.0047, 8.4216, 9.1711**.

A 20% lighter version of the original color is **35.9300, 26.5665, 6.6023**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **15.8112, 10.3974, 1.1736**, and if you desaturate by 10%, it is **16.4643, 11.5550, 1.8490**.

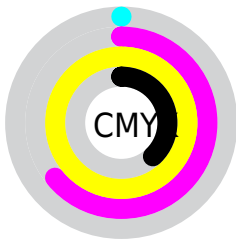
Distribution



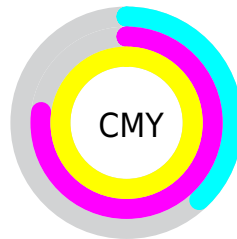
- Red (62%)
- Green (23%)
- Blue (0%)



- Red (62%)
- Yellow (36%)
- Blue (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (100%)
- Black (38%)





- Cyan (38%)
- Magenta (77%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8111, 10.3970, 1.1735 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 15.8111, 10.3970, 1.1735 by changing the saturation by 10% instead.


 15.8111, 10.3970,
1.1735


 15.8111, 10.3970,
1.1735


 221.5168,
193.4825, 107.8252


 9.4806, 5.6630,
0.0000


 35.8301, 26.5396,
6.6243


 5.1156, 2.6412,
0.0000

 50.2492, 38.7169,
12.0047


 2.3507, 0.9474,
0.0000

 68.0953, 54.1442,
19.7132

 0.8204, 0.0000,
0.0000


 89.7336, 73.2057,
30.1683


 0.0000, 0.0000,
0.0000


 115.5296, 96.2859,
43.7884


 145.8485,


123.7692, 60.9923


 181.0558,
156.0399, 82.1984


 15.8111, 10.3970,
1.1735


 15.8111, 10.3970,
1.1735


 15.8112, 10.3974,
1.1736

 16.4643, 11.5550,
1.8490

 17.2950, 12.9521,
2.9409

 18.3401, 14.6114,
4.6179

 19.6177, 16.5477,
6.9514

 21.1434, 18.7744,
10.0028

■ 22.9315, 21.3038,
13.8260

■ 24.9950, 24.1475,
18.4699

■ 27.3459, 27.3164,
23.9791

■ 29.9955, 30.8209,
30.3952

Harmonies

Analogous

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



19.4369, 10.3970, 4.8295



15.8111, 10.3970, 1.1735



11.1426, 10.3970, 0.2331

Triad

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



15.8111, 10.3970, 1.1735



3.8683, 10.3970, 8.1956



13.1129, 10.3970, 49.2365

Complementary

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



15.8111, 10.3970, 1.1735



10.9112, 11.8097, 34.5050

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.



8.7203, 10.3970, 52.8397



15.8111, 10.3970, 1.1735



4.1203, 10.3970, 21.9623

Square

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



15.8111, 10.3970, 1.1735



4.8335, 10.3970, 2.1633



5.6585, 10.3970, 40.5649



17.5978, 10.3970, 32.6893

Rectangle

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



15.8111, 10.3970, 1.1735



8.3804, 10.3970, 0.2697



5.6585, 10.3970, 40.5649



11.5531, 10.3970, 52.3136

Sweetspot

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



15.8113, 10.3976, 1.1737



44.5391, 42.9395, 32.5613



16.7638, 8.3572, 13.6539



9.6994, 9.2122, 6.5633



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.8113, 10.3976, 1.1737



28.1466, 18.2806, 2.0450



22.9828, 24.7406, 3.5642



6.8213, 7.0226, 6.9816



12.5253, 8.2863, 0.9393



0.2625, 0.2253, 0.0296

Inverse Universe

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



10.9112, 11.8097, 34.5050



19.3505, 20.7690, 61.7324



6.5816, 3.1504, 33.0618



6.6182, 7.1021, 8.4287



8.6587, 9.4090, 27.2670



0.1939, 0.2463, 0.5006

Previews

White Background



This preview shows how the XYZ color 15.8111, 10.3970, 1.1735 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 × Fail

Black Background



This preview shows how the XYZ color 15.8111, 10.3970, 1.1735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8111, 10.3970, 1.1735

Background



This preview shows how black text looks on a background with the XYZ color 15.8111, 10.3970, 1.1735.



This preview shows how white text looks on a background with the XYZ color 15.8111, 10.3970,

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

15.8111, 10.3970, 1.1735

Protanopia

9.5142, 10.5753, 2.0300

Deuteranopia

10.6107, 10.5294, 1.4731



Tritanopia

16.5549, 10.4073, 5.0072

Trichromacy



Original Color

15.8111, 10.3970, 1.1735

Protanomaly

11.0918, 9.9702, 1.6270

Deuteranomaly

12.1002, 10.0744, 1.3068

Tritanomaly

16.1818, 10.3333, 2.8107

Monochromacy



Original Color

15.8111, 10.3970, 1.1735

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.4328, 8.3280, 4.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8111, 10.3970, 1.1735 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(159, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 58, 0)  
}
```

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(159, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 58, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.8111, 10.3970, 1.1735 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(159, 58, 0) }
```


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

```
.border{ border-color:rgb(159, 58, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 58, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 58, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8111, 10.3970, 1.1735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 58, 0) }
```

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

```
.background{ background-color: rgb(159, 58,  
0) }
```

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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