

Converting Colors

XYZ(15.5467, 9.7719, 0.4790)

Have a look what the booklet for
XYZ(15.5467, 9.7719, 0.4790)
contains.

| | |
|--|----|
| XYZ(15.6810, 9.8412, 1.0731) | 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(15.6810, 9.8412,
1.0731)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|--------------------------|
| Hex | A03300 |
| RGB | 160, 51, 0 |
| RGB Percent | 63%, 20%, 0% |
| CMY | 0.3726, 0.8000, 1.0000 |
| CMYK | 0.00, 0.68, 1.00, 0.37 |
| HSL | 19°, 100%, 31% |
| HSV | 19°, 100%, 63% |
| XYZ | 15.6810, 9.8412, 1.0731 |
| YIQ | 77.7770, 81.3350, 7.2470 |

Conversions

Conversions Part 2

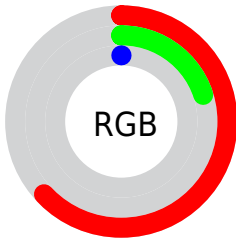
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 160, 75, 0 |
| Decimal | 10498816 |
| CIE _{Lab} | 37.56, 43.39, 49.46 |
| CIE _{LCh} | 38, 65.790, 48.742 |
| Yxy | 9.8412, 0.5896, 0.3700 |
| Android (android.graphics.Color) | 4288688896 (0xFFA03300) |
| YUV | 77.7770, -38.3441, 72.1096 |
| Hunter-Lab | 31.3707, 34.3266, 19.9313 |

Details

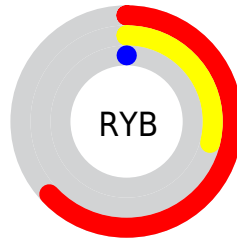
The XYZ color **15.6810, 9.8412, 1.0731** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.8133, 13.4743, 35.2356**, and the grayscale version is **7.2592, 7.6373, 8.3170**.

A 20% lighter version of the original color is **35.5943, 25.4780, 6.2905**, and **5.2555, 2.7093, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **15.6811, 9.8416, 1.0731**, and if you desaturate by 10%, it is **16.3082, 10.9460, 1.7436**.

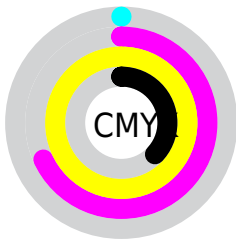
Distribution



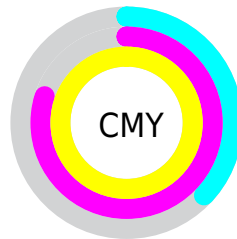
- Red (63%)
- Green (20%)
- Blue (0%)



- Red (63%)
- Yellow (29%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)
- Black (37%)





- Cyan (37%)
- Magenta (80%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6810, 9.8412, 1.0731 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 15.6810, 9.8412, 1.0731 by changing the saturation by 10% instead.


 15.6810, 9.8412,
1.0731

 15.6810, 9.8412,
1.0731


 220.7595,
189.5349, 105.7333


 9.3881, 5.2938,
0.0000


 35.6054, 25.4964,
6.3019


 5.0543, 2.4207,
0.0000

 49.9677, 37.3730,
11.5240


 2.3143, 0.8365,
0.0000

 67.7505, 52.4614,
19.0427

 0.8019, 0.0000,
0.0000

 89.3192, 71.1460,
29.2765


 0.0000, 0.0000,
0.0000


 115.0390, 93.8113,
42.6439


 145.2755,


120.8416, 59.5634


 180.3939,
152.6214, 80.4537


 15.6810, 9.8412,
1.0731


 15.6810, 9.8412,
1.0731


 15.6811, 9.8416,
1.0731

 16.3082, 10.9460,
1.7436

 17.1276, 12.3174,
2.8415

 18.1781, 13.9819,
4.5373

 19.4792, 15.9571,
6.9043

 21.0482, 18.2589,
10.0049

■ 22.9005, 20.9021,
13.8945

■ 25.0504, 23.9006,
18.6230

■ 27.5111, 27.2672,
24.2360

■ 30.2949, 31.0144,
30.7762

Harmonies

Analogous

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



19.1550, 9.8412, 4.9124



15.6810, 9.8412, 1.0731



11.0036, 9.8412, 0.0159

Triad

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



15.6810, 9.8412, 1.0731



3.4983, 9.8412, 6.8370



12.1659, 9.8412, 50.3307

Complementary

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



15.6810, 9.8412, 1.0731



11.8133, 13.4743, 35.2356

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.



7.8777, 9.8412, 52.5321



15.6810, 9.8412, 1.0731



3.6405, 9.8412, 19.8878

Square

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



15.6810, 9.8412, 1.0731



4.5378, 9.8412, 1.5966



5.0089, 9.8412, 38.8022



16.7458, 9.8412, 34.0279

Rectangle

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



15.6810, 9.8412, 1.0731



8.1902, 9.8412, 0.0000



5.0089, 9.8412, 38.8022



10.6226, 9.8412, 53.0377

Sweetspot

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



15.6812, 9.8418, 1.0733



45.2430, 43.0629, 33.2727



17.2754, 8.5849, 15.3089



9.5730, 8.9593, 6.5211



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.



15.6812, 9.8418, 1.0733



28.3096, 17.5436, 1.8942



22.5687, 23.6167, 3.3691



6.7971, 6.9741, 6.9736



12.2515, 7.7387, 0.8480



0.2549, 0.2100, 0.0271

Inverse Universe

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



11.8133, 13.4743, 35.2356



21.2600, 24.0864, 63.9152



6.7928, 3.4333, 33.5621



6.6434, 7.1525, 8.4371



9.2432, 10.5779, 27.4618



0.2015, 0.2617, 0.5031

Previews

White Background



This preview shows how the XYZ color 15.6810, 9.8412, 1.0731 looks on a white background.

Color Contrast Check

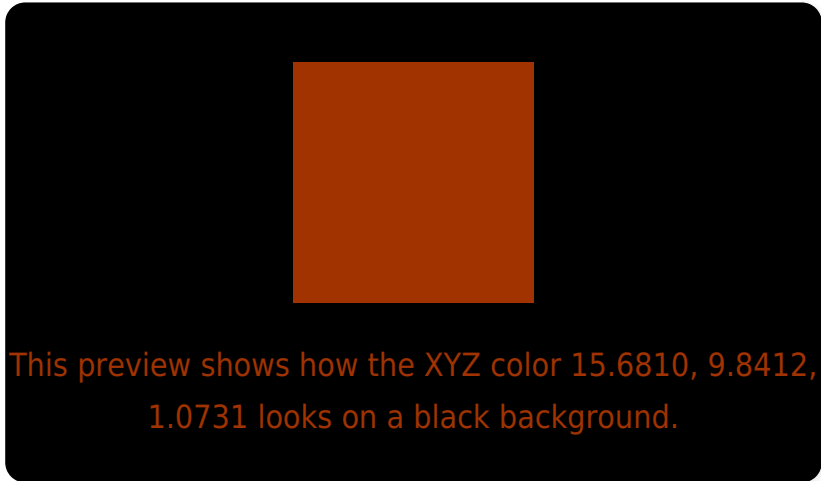
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6810, 9.8412, 1.0731

Background



This preview shows how black text looks on a background with the XYZ color 15.6810, 9.8412, 1.0731.



This preview shows how white text looks on a background with the XYZ color 15.6810, 9.8412,

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

15.6810, 9.8412, 1.0731

Protanopia

9.1242, 10.1195, 2.0027

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

16.3306, 9.9213, 4.0719

Trichromacy



Original Color

15.6810, 9.8412, 1.0731

Protanomaly

10.6709, 9.3306, 1.5552

Deuteranomaly

11.5885, 9.5109, 1.2250

Tritanomaly

16.0570, 9.8780, 2.4268

Monochromacy



Original Color

15.6810, 9.8412, 1.0731

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.8272, 7.5527, 4.0102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6810, 9.8412, 1.0731 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(160, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 51, 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(160, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 51, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6810, 9.8412, 1.0731 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(160, 51, 0) }
```


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

```
.border{ border-color:rgb(160, 51, 0) }
```

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

Here you see how a box with a 4 pixel rgb(160, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 51, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6810, 9.8412, 1.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 51, 0) }
```

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

```
.background{ background-color: rgb(160, 51,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor