

Converting Colors

XYZ(15.8068, 10.6524, 1.2230)

Have a look what the booklet for
XYZ(15.8068, 10.6524, 1.2230)
contains.

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Color

**XYZ(15.7693, 10.6066,
1.2161)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3D00
RGB	158, 61, 0
RGB Percent	62%, 24%, 0%
CMY	0.3804, 0.7608, 1.0000
CMYK	0.00, 0.61, 1.00, 0.38
HSL	23°, 100%, 31%
HSV	23°, 100%, 62%
XYZ	15.7693, 10.6066, 1.2161
YIQ	83.0490, 77.3930, 1.5930

Conversions

Conversions Part 2

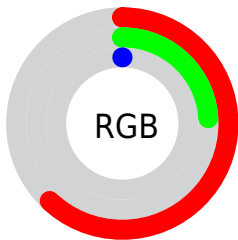
Format	Color
R_{YB}	158, 99, 0
Decimal	10370304
CIE _{Lab}	38.91, 38.06, 49.97
CIE _{LCh}	39, 62.813, 52.700
Yxy	10.6066, 0.5715, 0.3844
Android (android.graphics.Color)	4288560384 (0xFF9E3D00)
YUV	83.0490, -40.9432, 65.7320
Hunter-Lab	32.5678, 29.4360, 20.5835

Details

The XYZ color **15.7693, 10.6066, 1.2161** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.4456, 11.0169, 33.9234**, and the grayscale version is **8.3022, 8.7345, 9.5119**.

A 20% lighter version of the original color is **35.6734, 26.9148, 6.8049**, and **5.1021, 2.7269, 0.2574** is the 20% darker color. If you saturate the color by 10%, you get **15.7695, 10.6072, 1.2162**, and if you desaturate by 10%, it is **16.4271, 11.7750, 1.8894**.

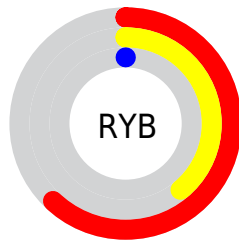
Distribution



Red (62%)

Green (24%)

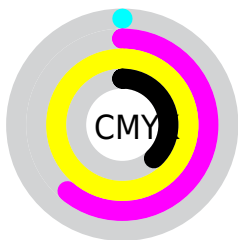
Blue (0%)



Red (62%)

Yellow (39%)

Blue (0%)

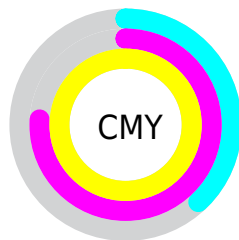


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7693, 10.6066, 1.2161 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 15.7693, 10.6066, 1.2161 by changing the saturation by 10% instead.


 15.7693, 10.6066,
1.2161


 15.7693, 10.6066,
1.2161


 221.2738,
194.9483, 108.6846


 9.4509, 5.8030,
0.0000


 35.7579, 26.9304,
6.7587


 5.0959, 2.7256,
0.0000

 50.1588, 39.2193,
12.2042


 2.3390, 0.9902,
0.0000

 67.9846, 54.7721,
19.9906

 0.8145, 0.0000,
0.0000


 89.6006, 73.9732,
30.5364


 0.0000, 0.0000,
0.0000


 115.3721, 97.2070,
44.2602


 145.6646,


124.8578, 61.5804


 180.8434,
157.3102, 82.9158


 15.7693, 10.6066,
1.2161


 15.7693, 10.6066,
1.2161


 15.7695, 10.6072,
1.2162

 16.4271, 11.7750,
1.8894

 17.2542, 13.1680,
2.9705

 18.2866, 14.8075,
4.6262

 19.5416, 16.7069,
6.9269

 21.0342, 18.8785,
9.9325

■ 22.7779, 21.3335,
13.6962

■ 24.7851, 24.0826,
18.2659

■ 27.0672, 27.1357,
23.6855

■ 29.6351, 30.5023,
29.9957

Harmonies

Analogous

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



19.4468, 10.6066, 4.7553



15.7693, 10.6066, 1.2161



11.1359, 10.6066, 0.3343

Triad

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



15.7693, 10.6066, 1.2161



4.0317, 10.6066, 8.8673



13.5068, 10.6066, 48.3835

Complementary

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



15.7693, 10.6066, 1.2161



10.4456, 11.0169, 33.9234

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.



9.0954, 10.6066, 52.6463



15.7693, 10.6066, 1.2161



4.3415, 10.6066, 22.8849

Square

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



15.7693, 10.6066, 1.2161



4.9495, 10.6066, 2.4690



5.9577, 10.6066, 41.1831



17.9088, 10.6066, 31.8298

Rectangle

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



15.7693, 10.6066, 1.2161



8.4176, 10.6066, 0.4062



5.9577, 10.6066, 41.1831



11.9508, 10.6066, 51.6191

Sweetspot

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



15.7695, 10.6072, 1.2163



44.7825, 43.4264, 32.6424



16.2784, 8.1402, 12.1287



9.7590, 9.3314, 6.5831



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.



15.7695, 10.6072, 1.2163



28.4571, 18.9017, 2.1485



23.4153, 25.8987, 3.7649



6.8326, 7.0451, 6.9854



12.6658, 8.5672, 0.9861



0.2660, 0.2323, 0.0308

Inverse Universe

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



10.4456, 11.0169, 33.9234



18.7708, 19.6096, 61.5392



6.3949, 2.9154, 32.5732



6.6066, 7.0789, 8.4248



8.4049, 8.9013, 27.1824



0.1903, 0.2392, 0.4994

Previews

White Background



This preview shows how the XYZ color 15.7693, 10.6066, 1.2161 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



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 15.7693, 10.6066, 1.2161

Background



This preview shows how black text looks on a background with the XYZ color 15.7693, 10.6066, 1.2161.



This preview shows how white text looks on a background with the XYZ color 15.7693, 10.6066,

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

15.7693, 10.6066, 1.2161

Protanopia

9.7168, 10.8092, 2.0645

Deuteranopia

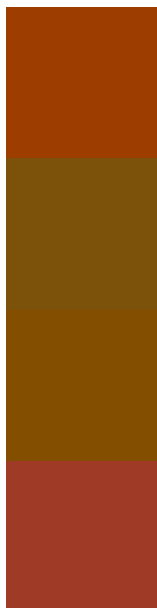
10.8258, 10.7614, 1.5066



Tritanopia

16.5768, 10.6234, 5.4518

Trichromacy



Original Color

15.7693, 10.6066, 1.2161

Protanomaly

11.3094, 10.1919, 1.6583

Deuteranomaly

12.2401, 10.3543, 1.3535

Tritanomaly

16.1610, 10.5370, 3.0158

Monochromacy



Original Color

15.7693, 10.6066, 1.2161

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.5891, 8.6042, 4.5235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7693, 10.6066, 1.2161 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(158, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(158, 61, 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(158, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7693, 10.6066, 1.2161 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(158, 61, 0) }
```


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

```
.border{ border-color:rgb(158, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7693, 10.6066, 1.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 61, 0) }
```

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

```
.background{ background-color: rgb(158, 61,  
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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