

Converting Colors

XYZ(16.3171, 10.6589, 0.1331)

Have a look what the booklet for
XYZ(16.3171, 10.6589, 0.1331)
contains.

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Color

**XYZ(16.6173, 10.8126,
1.2112)**

Conversions

Conversions Part 1

Format	Color
Hex	A33A00
RGB	163, 58, 0
RGB Percent	64%, 23%, 0%
CMY	0.3608, 0.7725, 1.0000
CMYK	0.00, 0.64, 1.00, 0.36
HSL	21°, 100%, 32%
HSV	21°, 100%, 64%
XYZ	16.6173, 10.8126, 1.2112
YIQ	82.7830, 81.1980, 4.2220

Conversions

Conversions Part 2

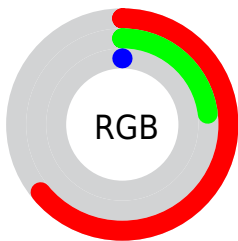
Format	Color
R_{YB}	163, 90, 0
Decimal	10697216
CIE _{Lab}	39.26, 41.38, 50.64
CIE _{LCh}	39, 65.393, 50.744
Yxy	10.8126, 0.5802, 0.3775
Android (android.graphics.Color)	4288887296 (0xFFA33A00)
YUV	82.7830, -40.8120, 70.3503
Hunter-Lab	32.8825, 32.6612, 20.8339

Details

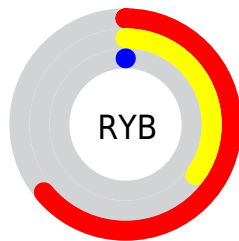
The XYZ color **16.6173, 10.8126, 1.2112** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.6619, 12.7464, 36.4957**, and the grayscale version is **8.2471, 8.6766, 9.4488**.

A 20% lighter version of the original color is **37.2931, 27.4258, 6.8182**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **16.6175, 10.8131, 1.2113**, and if you desaturate by 10%, it is **17.2978, 12.0205, 1.9106**.

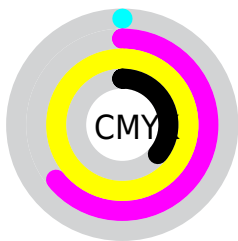
Distribution



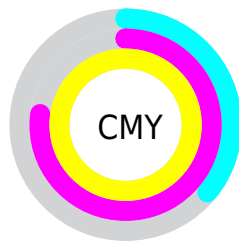
- Red (64%)
- Green (23%)
- Blue (0%)



- Red (64%)
- Yellow (35%)
- Blue (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (100%)
- Black (36%)





- Cyan (36%)
- Magenta (77%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6173, 10.8126, 1.2112 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 16.6173, 10.8126, 1.2112 by changing the saturation by 10% instead.


 16.6173, 10.8126,
1.2112


 16.6173, 10.8126,
1.2112


 226.1567,
196.3773, 108.5866


 10.0556, 5.9410,
0.0000


 37.2155, 27.3131,
6.7433


 5.4984, 2.8092,
0.0000

 51.9826, 39.7108,
12.1814


 2.5803, 1.0330,
0.0000

 70.2157, 55.3859,
19.9589

 0.9359, 0.0000,
0.0000


 92.2800, 74.7229,
30.4944


 0.0000, 0.0000,
0.0000


 118.5409, 98.1061,
44.2063


 149.3638,


125.9200, 61.5133


 185.1139,
158.5490, 82.8339


 16.6173, 10.8126,
1.2112


 16.6173, 10.8126,
1.2112


 16.6175, 10.8131,
1.2113

 17.2978, 12.0205,
1.9106

 18.1695, 13.4868,
3.0553

 19.2710, 15.2364,
4.8201

 20.6217, 17.2856,
7.2813

 22.2386, 19.6489,
10.5040

■ 24.1371, 22.3400,
14.5461

■ 26.3311, 25.3715,
19.4592

■ 28.8337, 28.7555,
25.2912

■ 31.6569, 32.5032,
32.0862

Harmonies

Analogous

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



20.3984, 10.8126, 5.1055



16.6173, 10.8126, 1.2112



11.6995, 10.8126, 0.2205

Triad

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



16.6173, 10.8126, 1.2112



3.9823, 10.8126, 8.2886



13.5758, 10.8126, 52.1041

Complementary

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



16.6173, 10.8126, 1.2112



11.6619, 12.7464, 36.4957

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.



8.9748, 10.8126, 55.5628



16.6173, 10.8126, 1.2112



4.2200, 10.8126, 22.6147

Square

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



16.6173, 10.8126, 1.2112



5.0177, 10.8126, 2.1314



5.7977, 10.8126, 42.2845



18.3228, 10.8126, 34.7382

Rectangle

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



16.6173, 10.8126, 1.2112



8.7786, 10.8126, 0.2411



5.7977, 10.8126, 42.2845



11.9370, 10.8126, 55.2560

Sweetspot

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



16.6175, 10.8132, 1.2114



46.9240, 45.1197, 34.3172



17.7031, 8.8261, 14.3927



10.1728, 9.6306, 6.8790



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.



16.6175, 10.8132, 1.2114



29.5883, 19.0205, 2.1118



24.2717, 26.1216, 3.7628



7.2704, 7.4792, 7.4405



12.9546, 8.4830, 0.9546



0.3156, 0.2651, 0.0345

Inverse Universe

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



11.6619, 12.7464, 36.4957



20.6905, 22.4378, 65.2965



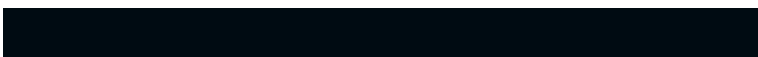
6.9468, 3.3164, 34.9241



7.0630, 7.5851, 8.9949



9.1074, 9.9941, 28.3788



0.2334, 0.2941, 0.6103

Previews

White Background



This preview shows how the XYZ color 16.6173, 10.8126, 1.2112 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 16.6173, 10.8126, 1.2112

Background



This preview shows how black text looks on a background with the XYZ color 16.6173, 10.8126, 1.2112.



This preview shows how white text looks on a background with the XYZ color 16.6173, 10.8126,

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

16.6173, 10.8126, 1.2112

Protanopia

9.9296, 11.0491, 2.1397

Deuteranopia

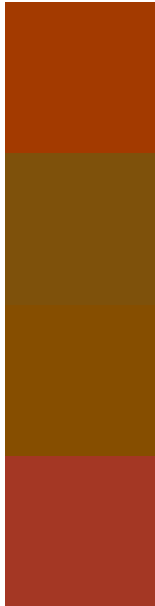
11.0436, 10.9963, 1.5404



Tritanopia

17.3675, 10.8263, 5.0452

Trichromacy



Original Color

16.6173, 10.8126, 1.2112

Protanomaly

11.6070, 10.3446, 1.7016

Deuteranomaly

12.5559, 10.5171, 1.3682

Tritanomaly

16.9945, 10.7523, 2.8488

Monochromacy



Original Color

16.6173, 10.8126, 1.2112

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.7735, 8.5993, 4.5129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6173, 10.8126, 1.2112 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, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 58, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.6173, 10.8126, 1.2112 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, 58, 0) }
```


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

```
.border{ border-color:rgb(163, 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(163, 58, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 58, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.6173, 10.8126, 1.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 58, 0) }
```

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

```
.background{ background-color: rgb(163, 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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