

Converting Colors

XYZ(15.8360, 10.6764, 0.0000)

Have a look what the booklet for
XYZ(15.8360, 10.6764, 0.0000)
contains.

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Color

**XYZ(15.9668, 10.7084,
1.2254)**

Conversions

Conversions Part 1

Format	Color
Hex	9F3D00
RGB	159, 61, 0
RGB Percent	62%, 24%, 0%
CMY	0.3765, 0.7608, 1.0000
CMYK	0.00, 0.62, 1.00, 0.38
HSL	23°, 100%, 31%
HSV	23°, 100%, 62%
XYZ	15.9668, 10.7084, 1.2254
YIQ	83.3480, 77.9890, 1.8050

Conversions

Conversions Part 2

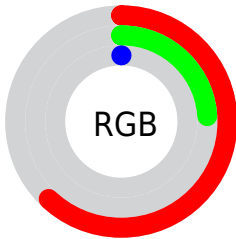
Format	Color
R _{YB}	159, 99, 0
Decimal	10435840
CIE Lab	39.08, 38.45, 50.15
CIE LCh	39, 63.198, 52.524
Yxy	10.7084, 0.5723, 0.3838
Android (android.graphics.Color)	4288625920 (0xFF9F3D00)
YUV	83.3480, -41.0906, 66.3468
Hunter-Lab	32.7237, 29.8287, 20.6864

Details

The XYZ color **15.9668, 10.7084, 1.2254** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.6253, 11.2378, 34.4097**, and the grayscale version is **8.3637, 8.7992, 9.5824**.

A 20% lighter version of the original color is **35.9752, 27.0703, 6.8190**, and **5.1999, 2.7612, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **15.9669, 10.7088, 1.2255**, and if you desaturate by 10%, it is **16.6316, 11.8898, 1.9048**.

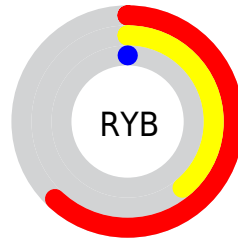
Distribution



Red (62%)

Green (24%)

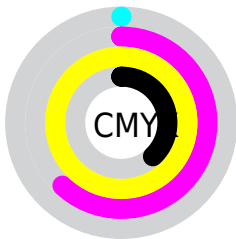
Blue (0%)



Red (62%)

Yellow (39%)

Blue (0%)

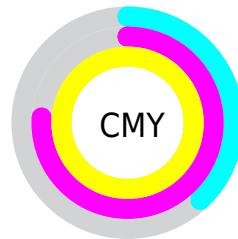


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (38%)



Cyan (38%)


Magenta (76%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9668, 10.7084, 1.2254 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 15.9668, 10.7084, 1.2254 by changing the saturation by 10% instead.


 15.9668, 10.7084,
1.2254


 15.9668, 10.7084,
1.2254


 222.4200,
195.6559, 108.8702


 9.5914, 5.8711,
0.0000


 36.0985, 27.1197,
6.7878


 5.1890, 2.7669,
0.0000

 50.5854, 39.4625,
12.2474


 2.3945, 1.0113,
0.0000

 68.5069, 55.0758,
20.0506

 0.8424, 0.0000,
0.0000


 90.2283, 74.3443,
30.6160


 0.0000, 0.0000,
0.0000


 116.1149, 97.6521,
44.3621


 146.5322,


125.3837, 61.7075


 181.8454,
157.9235, 83.0707


 15.9668, 10.7084,
1.2254


 15.9668, 10.7084,
1.2254


 15.9669, 10.7088,
1.2255

 16.6316, 11.8898,
1.9048

 17.4691, 13.3004,
2.9990

 18.5157, 14.9626,
4.6764

 19.7889, 16.8901,
7.0085

 21.3039, 19.0954,
10.0563

■ 23.0747, 21.5900,
13.8737

■ 25.1137, 24.3850,
18.5095

■ 27.4328, 27.4903,
24.0082

■ 30.0430, 30.9159,
30.4111

Harmonies

Analogous

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



19.6823, 10.7084, 4.8230



15.9668, 10.7084, 1.2254



11.2725, 10.7084, 0.3305

Triad

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



15.9668, 10.7084, 1.2254



4.0594, 10.7084, 8.8859



13.6196, 10.7084, 49.0826

Complementary

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



15.9668, 10.7084, 1.2254



10.6253, 11.2378, 34.4097

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.



9.1568, 10.7084, 53.3118



15.9668, 10.7084, 1.2254



4.3653, 10.7084, 23.0419

Square

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



15.9668, 10.7084, 1.2254



4.9947, 10.7084, 2.4578



5.9908, 10.7084, 41.6032



18.0862, 10.7084, 32.3283

Rectangle

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



15.9668, 10.7084, 1.2254



8.5154, 10.7084, 0.3981



5.9908, 10.7084, 41.6032



12.0441, 10.7084, 52.3370

Sweetspot

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



15.9670, 10.7090, 1.2256



44.7546, 43.3705, 32.6331



16.5050, 8.2537, 12.2910



9.7522, 9.3177, 6.5809



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.



15.9670, 10.7090, 1.2256



28.4205, 18.8286, 2.1364



23.7419, 26.2587, 3.8172



6.8313, 7.0426, 6.9850



12.6493, 8.5342, 0.9806



0.2656, 0.2315, 0.0307

Inverse Universe

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



10.6253, 11.2378, 34.4097



18.8359, 19.7397, 61.5608



6.4834, 2.9539, 33.0290



6.6079, 7.0816, 8.4253



8.4334, 8.9583, 27.1919



0.1907, 0.2401, 0.4995

Previews

White Background



This preview shows how the XYZ color 15.9668, 10.7084, 1.2254 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 15.9668, 10.7084, 1.2254 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 15.9668, 10.7084, 1.2254

Background



This preview shows how black text looks on a background with the XYZ color 15.9668, 10.7084, 1.2254.



This preview shows how white text looks on a background with the XYZ color 15.9668, 10.7084,

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

15.9668, 10.7084, 1.2254

Protanopia

9.8336, 10.8694, 2.0699

Deuteranopia

10.8258, 10.7614, 1.5066



Tritanopia

16.7759, 10.7261, 5.4611

Trichromacy



Original Color

15.9668, 10.7084, 1.2254

Protanomaly

11.4547, 10.2667, 1.6651

Deuteranomaly

12.2401, 10.3543, 1.3535

Tritanomaly

16.3601, 10.6396, 3.0251

Monochromacy



Original Color

15.9668, 10.7084, 1.2254

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.7142, 8.6687, 4.5294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9668, 10.7084, 1.2254 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, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.9668, 10.7084, 1.2254 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, 61, 0) }
```


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

```
.border{ border-color:rgb(159, 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(159, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9668, 10.7084, 1.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 61, 0) }
```

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

```
.background{ background-color: rgb(159, 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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