

Converting Colors

XYZ(15.6794, 8.8760, 0.8868)

Have a look what the booklet for
XYZ(15.6794, 8.8760, 0.8868)
contains.

XYZ(15.6481, 8.8742, 0.8882)	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(15.6481, 8.8742,
0.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	A32100
RGB	163, 33, 0
RGB Percent	64%, 13%, 0%
CMY	0.3608, 0.8705, 1.0000
CMYK	0.00, 0.80, 1.00, 0.36
HSL	12°, 100%, 32%
HSV	12°, 100%, 64%
XYZ	15.6481, 8.8742, 0.8882
YIQ	68.1080, 88.0730, 17.2970

Conversions

Conversions Part 2

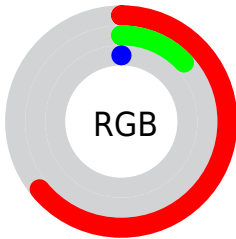
Format	Color
R_{YB}	163, 41, 0
Decimal	10690816
CIE Lab	35.74, 51.02, 48.92
CIE LCh	36, 70.680, 43.797
Yxy	8.8742, 0.6158, 0.3492
Android (android.graphics.Color)	4288880896 (0xFFA32100)
YUV	68.1080, -33.5772, 83.2203
Hunter-Lab	29.7896, 41.6320, 19.0849

Details

The XYZ color **15.6481, 8.8742, 0.8882** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.5924, 18.6075, 37.4726**, and the grayscale version is **5.5551, 5.8444, 6.3645**.

A 20% lighter version of the original color is **35.5959, 23.7114, 5.7183**, and **5.4795, 2.8248, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **15.6482, 8.8746, 0.8882**, and if you desaturate by 10%, it is **16.1773, 9.7795, 1.5372**.

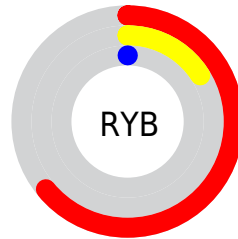
Distribution



Red (64%)

Green (13%)

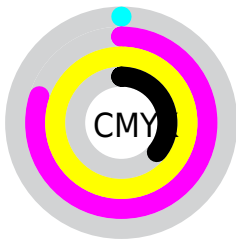
Blue (0%)



Red (64%)

Yellow (16%)

Blue (0%)

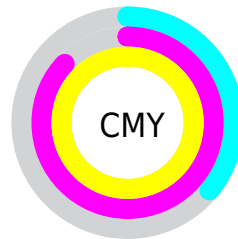


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (87%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6481, 8.8742, 0.8882 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 15.6481, 8.8742, 0.8882 by changing the saturation by 10% instead.


 15.6481, 8.8742,
0.8882


 15.6481, 8.8742,
0.8882


 220.5676,
182.4366, 101.6397


 9.3647, 4.6592,
0.0000


 35.5486, 23.6552,
5.6900

 5.0389, 2.0487,
0.0000

 49.8965, 34.9901,
10.6033


 2.3051, 0.6356,
0.0000

 67.6632, 49.4670,
17.7503

 0.7973, 0.0000,
0.0000

 89.2142, 67.4704,
27.5496


 0.0000, 0.0000,
0.0000

 114.9148, 89.3847,
40.4196


 145.1303,


115.5942, 56.7789


 180.2261,
146.4834, 77.0461


 15.6481, 8.8742,
0.8882


 15.6481, 8.8742,
0.8882

 15.6482, 8.8746,
0.8882

 16.1773, 9.7795,
1.5372

 16.9375, 11.0229,
2.6448

 17.9743, 12.6431,
4.3880

 19.3132, 14.6685,
6.8453

 20.9765, 17.1246,
10.0836

■ 22.9844, 20.0346,
14.1621

■ 25.3554, 23.4201,
19.1344

■ 28.1066, 27.3013,
25.0493

■ 31.2540, 31.6972,
31.9524

Harmonies

Analogous

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



18.8655, 8.8742, 5.1551



15.6481, 8.8742, 0.8882



10.8761, 8.8742, 0.0000

Triad

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



15.6481, 8.8742, 0.8882



2.8397, 8.8742, 4.5662



10.4953, 8.8742, 53.5302

Complementary

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



15.6481, 8.8742, 0.8882



14.5924, 18.6075, 37.4726

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.



6.3890, 8.8742, 52.7525



15.6481, 8.8742, 0.8882



2.7977, 8.8742, 16.2397

Square

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



15.6481, 8.8742, 0.8882



4.0128, 8.8742, 0.7415



3.8694, 8.8742, 35.8675



15.2913, 8.8742, 37.5275

Rectangle

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



15.6481, 8.8742, 0.8882



7.9147, 8.8742, 0.0000



3.8694, 8.8742, 35.8675



8.9769, 8.8742, 55.4701

Sweetspot

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



15.6483, 8.8747, 0.8883



45.1553, 41.5824, 33.7276



19.1603, 9.4090, 22.0664



9.7442, 8.7735, 6.7362



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.



15.6483, 8.8747, 0.8883



27.9094, 15.6627, 1.5522



21.1328, 19.8438, 2.7165



7.1846, 7.3076, 7.4119



12.1889, 6.9517, 0.6994



0.2859, 0.2056, 0.0246

Inverse Universe

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



14.5924, 18.6075, 37.4726



25.9885, 33.0338, 67.0625



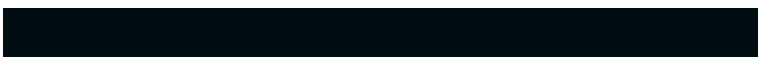
7.7051, 4.8328, 35.1768



7.1537, 7.7665, 9.0251



11.3736, 14.5266, 29.1342



0.2682, 0.3636, 0.6219

Previews

White Background



This preview shows how the XYZ color 15.6481, 8.8742, 0.8882 looks on a white background.

Color Contrast Check

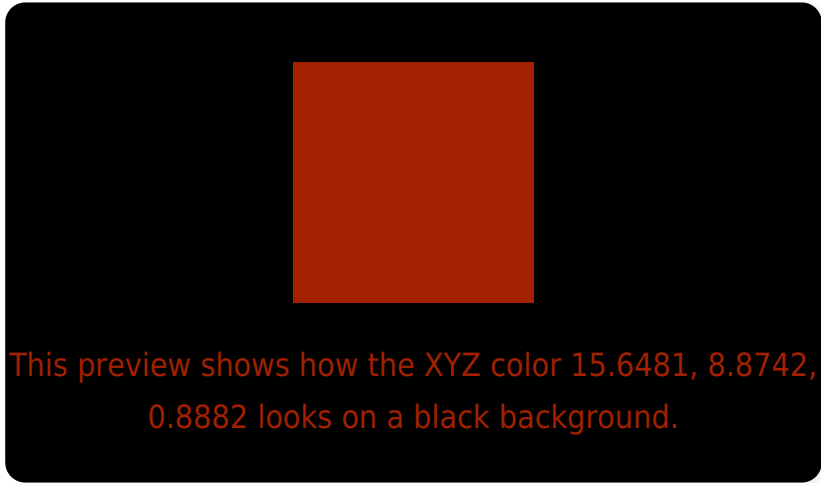
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6481, 8.8742, 0.8882

Background



This preview shows how black text looks on a background with the XYZ color 15.6481, 8.8742, 0.8882.



This preview shows how white text looks on a background with the XYZ color 15.6481, 8.8742,

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

15.6481, 8.8742, 0.8882

Protanopia

8.2692, 9.1894, 1.9540

Deuteranopia

9.1268, 9.0730, 1.2702



Tritanopia

15.8416, 8.8654, 2.1726

Trichromacy



Original Color

15.6481, 8.8742, 0.8882

Protanomaly

9.8192, 8.0339, 1.3810

Deuteranomaly

10.7355, 8.2560, 1.0277

Tritanomaly

15.7470, 8.8701, 1.5440

Monochromacy



Original Color

15.6481, 8.8742, 0.8882

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

7.3958, 5.7904, 3.0134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6481, 8.8742, 0.8882 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, 33, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 33, 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, 33, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 33, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6481, 8.8742, 0.8882 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, 33, 0) }
```


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

```
.border{ border-color:rgb(163, 33, 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, 33, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 33, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 33, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 33, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.6481, 8.8742, 0.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 33, 0) }
```

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

```
.background{ background-color: rgb(163, 33,  
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