

Converting Colors

XYZ(15.8839, 8.7332, 0.8485)

Have a look what the booklet for
XYZ(15.8839, 8.7332, 0.8485)
contains.

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Color

**XYZ(15.8864, 8.7381,
0.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	A51A00
RGB	165, 26, 0
RGB Percent	65%, 10%, 0%
CMY	0.3529, 0.8980, 1.0000
CMYK	0.00, 0.84, 1.00, 0.35
HSL	9°, 100%, 32%
HSV	9°, 100%, 65%
XYZ	15.8864, 8.7381, 0.8493
YIQ	64.5970, 91.1900, 21.3820

Conversions

Conversions Part 2

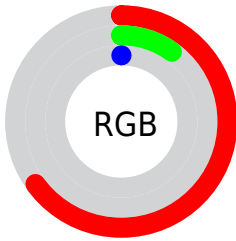
Format	Color
RYB	165, 31, 0
Decimal	10820096
CIELab	35.48, 53.55, 49.02
CIElCh	35, 72.594, 42.470
Yxy	8.7381, 0.6236, 0.3430
Android (android.graphics.Color)	4289010176 (0xFFA51A00)
YUV	64.5970, -31.8463, 88.0534
Hunter-Lab	29.5603, 44.1997, 18.9887

Details

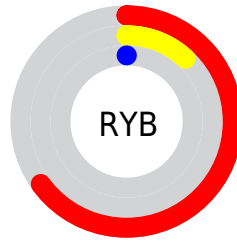
The XYZ color **15.8864, 8.7381, 0.8493** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **16.0220, 21.1777, 38.8402**, and the grayscale version is **5.0012, 5.2617, 5.7300**.

A 20% lighter version of the original color is **35.8771, 23.3713, 5.5259**, and **5.5935, 2.8836, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **15.8866, 8.7386, 0.8494**, and if you desaturate by 10%, it is **16.3700, 9.5499, 1.4906**.

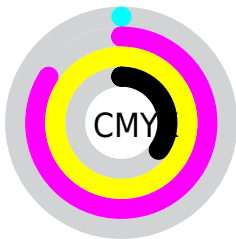
Distribution



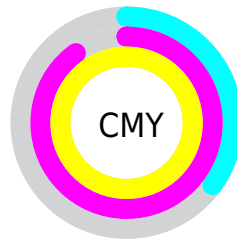
- Red (65%)
- Green (10%)
- Blue (0%)



- Red (65%)
- Yellow (12%)
- Blue (0%)



- Cyan (0%)
- Magenta (84%)
- Yellow (100%)
- Black (35%)





- Cyan (35%)
- Magenta (90%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8864, 8.7381, 0.8493 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 15.8864, 8.7381, 0.8493 by changing the saturation by 10% instead.


 15.8864, 8.7381,
0.8493


 15.8864, 8.7381,
0.8493


 221.9540,
181.4119, 100.7742


 9.5341, 4.5708,
0.0000


 35.9599, 23.3932,
5.5639


 5.1511, 1.9977,
0.0000

 50.4119, 34.6498,
10.4121


 2.3718, 0.6061,
0.0000

 68.2945, 49.0382,
17.4805

 0.8310, 0.0000,
0.0000

 89.9730, 66.9428,
27.1876

 0.0000, 0.0000,
0.0000

 115.8129, 88.7482,
39.9520


 146.1795,


114.8385, 56.1922


 181.4381,
145.5983, 76.3267


 15.8864, 8.7381,
0.8493


 15.8864, 8.7381,
0.8493


 15.8866, 8.7386,
0.8494

 16.3700, 9.5499,
1.4906

 17.1018, 10.7298,
2.6086

 18.1315, 12.3244,
4.3846

 19.4881, 14.3682,
6.9005

 21.1970, 16.8921,
10.2260

■ 23.2810, 19.9240,
14.4230

■ 25.7609, 23.4900,
19.5471

■ 28.6562, 27.6141,
25.6494

■ 31.9847, 32.3189,
32.7772

Harmonies

Analogous

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



19.0786, 8.7381, 5.3109



15.8864, 8.7381, 0.8493



11.0106, 8.7381, 0.0000

Triad

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



15.8864, 8.7381, 0.8493



2.7048, 8.7381, 4.0725



10.1929, 8.7381, 55.3634

Complementary

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



15.8864, 8.7381, 0.8493



16.0220, 21.1777, 38.8402

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.



6.0840, 8.7381, 53.6558



15.8864, 8.7381, 0.8493



2.6176, 8.7381, 15.4986

Square

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



15.8864, 8.7381, 0.8493



3.9274, 8.7381, 0.5325



3.6266, 8.7381, 35.5875



15.1152, 8.7381, 39.2155

Rectangle

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



15.8864, 8.7381, 0.8493



7.9588, 8.7381, 0.0000



3.6266, 8.7381, 35.5875



8.6617, 8.7381, 57.0929

Sweetspot

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



15.8866, 8.7386, 0.8494



45.8733, 41.6926, 34.4585



20.2689, 9.9001, 25.7501



9.6261, 8.5372, 6.6968



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.



15.8866, 8.7386, 0.8494



28.3555, 15.4572, 1.4890



20.8006, 18.5668, 2.4874



7.1598, 7.2580, 7.4037



12.0436, 6.6610, 0.6509



0.2772, 0.1882, 0.0217

Inverse Universe

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



16.0220, 21.1777, 38.8402



28.5713, 37.6815, 69.5197



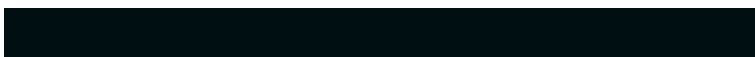
8.2919, 5.7175, 36.2635



7.1806, 7.8202, 9.0341



12.1509, 16.0811, 29.3933



0.2793, 0.3858, 0.6256

Previews

White Background



This preview shows how the XYZ color 15.8864, 8.7381, 0.8493 looks on a white background.

Color Contrast Check

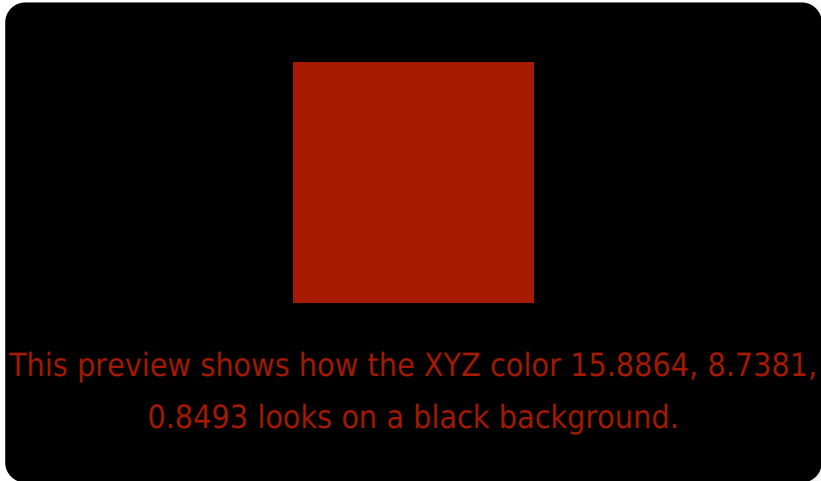
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8864, 8.7381, 0.8493

Background



This preview shows how black text looks on a background with the XYZ color 15.8864, 8.7381, 0.8493.



This preview shows how white text looks on a background with the XYZ color 15.8864, 8.7381,

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

15.8864, 8.7381, 0.8493

Protanopia

8.1986, 9.0343, 1.9735

Deuteranopia

9.0058, 9.0107, 1.2646



Tritanopia

16.0193, 8.7565, 1.6565

Trichromacy



Original Color

15.8864, 8.7381, 0.8493

Protanomaly

9.7912, 7.7608, 1.3627

Deuteranomaly

10.5708, 7.9267, 0.9729

Tritanomaly

15.9509, 8.7291, 1.2961

Monochromacy



Original Color

15.8864, 8.7381, 0.8493

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

6.9509, 5.2944, 2.7534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8864, 8.7381, 0.8493 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(165, 26, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 26, 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(165, 26, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 26, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.8864, 8.7381, 0.8493 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(165, 26, 0) }
```


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

```
.border{ border-color:rgb(165, 26, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 26, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 26, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 26, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 26, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.8864, 8.7381, 0.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 26, 0) }
```

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

```
.background{ background-color: rgb(165, 26,  
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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