

Converting Colors

XYZ(15.8920, 8.5169, 0.8063)

Have a look what the booklet for
XYZ(15.8920, 8.5169, 0.8063)
contains.

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Color

**XYZ(15.9422, 8.5396,
0.8081)**

Conversions

Conversions Part 1

Format	Color
Hex	A61200
RGB	166, 18, 0
RGB Percent	65%, 7%, 0%
CMY	0.3490, 0.9293, 1.0000
CMYK	0.00, 0.89, 1.00, 0.35
HSL	7°, 100%, 33%
HSV	7°, 100%, 65%
XYZ	15.9422, 8.5396, 0.8081
YIQ	60.2000, 93.9860, 25.7780

Conversions

Conversions Part 2

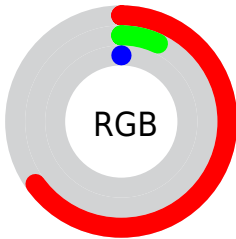
Format	Color
RYB	166, 20, 0
Decimal	10883584
CIELab	35.08, 55.56, 48.93
CIELCh	35, 74.034, 41.367
Yxy	8.5396, 0.6304, 0.3377
Android (android.graphics.Color)	4289073664 (0xFFA61200)
YUV	60.2000, -29.6786, 92.7866
Hunter-Lab	29.2226, 46.2400, 18.8163

Details

The XYZ color **15.9422, 8.5396, 0.8081** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **17.4702, 23.9277, 39.7738**, and the grayscale version is **4.3552, 4.5820, 4.9898**.

A 20% lighter version of the original color is **36.2048, 23.0793, 5.4523**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.9423, 8.5401, 0.8081**, and if you desaturate by 10%, it is **16.3626, 9.2237, 1.4321**.

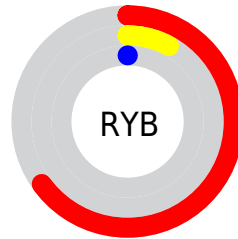
Distribution



Red (65%)

Green (7%)

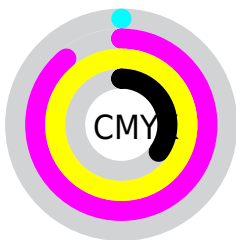
Blue (0%)



Red (65%)

Yellow (8%)

Blue (0%)

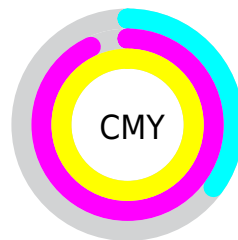


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (93%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.9422, 8.5396, 0.8081 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 15.9422, 8.5396, 0.8081 by changing the saturation by 10% instead.


 15.9422, 8.5396,
0.8081


 15.9422, 8.5396,
0.8081


 222.2775,
179.9052, 99.8628


 9.5738, 4.4421,
0.0000


 36.0561, 23.0097,
5.4324


 5.1774, 1.9238,
0.0000

 50.5323, 34.1511,
10.2121


 2.3876, 0.5626,
0.0000

 68.4419, 48.4092,
17.1977

 0.8389, 0.0000,
0.0000


 90.1502, 66.1685,
26.8078


 0.0000, 0.0000,
0.0000


 116.0226, 87.8134,
39.4608


 146.4243,

113.7282, 55.5752


 181.7209,
144.2973, 75.5698


 15.9422, 8.5396,
0.8081


 15.9422, 8.5396,
0.8081


 15.9423, 8.5401,
0.8081

 16.3626, 9.2237,
1.4321

 17.0444, 10.3004,
2.5436

 18.0424, 11.8259,
4.3269

 19.3897, 13.8424,
6.8665

 21.1152, 16.3875,
10.2342

■ 23.2445, 19.4948,
14.4935

■ 25.8012, 23.1952,
19.7018

■ 28.8070, 27.5174,
25.9116

■ 32.2820, 32.4883,
33.1716

Harmonies

Analogous

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



19.0802, 8.5396, 5.4000



15.9422, 8.5396, 0.8081



11.0236, 8.5396, 0.0000

Triad

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



15.9422, 8.5396, 0.8081



2.5677, 8.5396, 3.6384



9.8397, 8.5396, 56.4357

Complementary

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



15.9422, 8.5396, 0.8081



17.4702, 23.9277, 39.7738

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.



5.7717, 8.5396, 53.9152



15.9422, 8.5396, 0.8081



2.4451, 8.5396, 14.7278

Square

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



15.9422, 8.5396, 0.8081



3.8190, 8.5396, 0.3443



3.3922, 8.5396, 34.9979



14.8190, 8.5396, 40.3321

Rectangle

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



15.9422, 8.5396, 0.8081



7.9228, 8.5396, 0.0000



3.3922, 8.5396, 34.9979



8.3136, 8.5396, 57.9574

Sweetspot

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



15.9424, 8.5401, 0.8082



46.5468, 41.6929, 35.1821



21.1826, 10.2897, 29.4710



9.9776, 8.6963, 6.9762



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.9424, 8.5401, 0.8082



28.8579, 15.3473, 1.4413



20.2447, 17.1448, 2.2423



7.5942, 7.6685, 7.8692



12.3807, 6.6587, 0.6327



0.3207, 0.2010, 0.0219

Inverse Universe

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



17.4702, 23.9277, 39.7738



31.6117, 43.2364, 72.1546



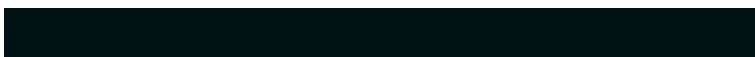
8.8546, 6.6966, 36.9020



7.6770, 8.3909, 9.6333



13.5680, 18.5962, 30.8498



0.3492, 0.4906, 0.7569

Previews

White Background



This preview shows how the XYZ color 15.9422, 8.5396, 0.8081 looks on a white background.

Color Contrast Check

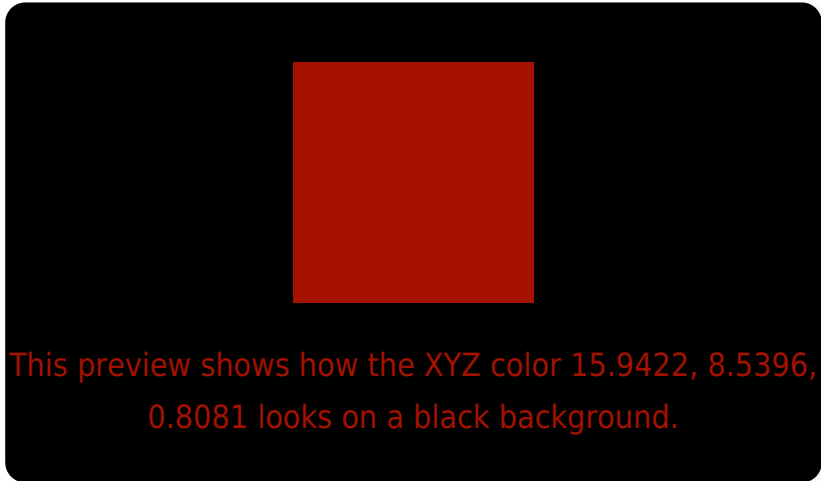
Large Text (above 18pt) WCAG AA ✓ Pass

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

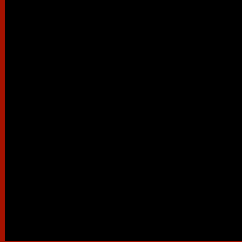
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9422, 8.5396, 0.8081

Background



This preview shows how black text looks on a background with the XYZ color 15.9422, 8.5396, 0.8081.



This preview shows how white text looks on a background with the XYZ color 15.9422, 8.5396,

0.8081.

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

15.9422, 8.5396, 0.8081

Protanopia

8.1032, 8.9840, 2.0165

Deuteranopia

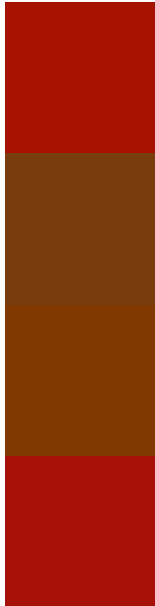
8.9321, 8.8631, 1.2400



Tritanopia

16.0086, 8.5661, 1.1575

Trichromacy



Original Color

15.9422, 8.5396, 0.8081

Protanomaly

9.6265, 7.4315, 1.3078

Deuteranomaly

10.3652, 7.5154, 0.9043

Tritanomaly

15.9860, 8.5571, 1.0389

Monochromacy



Original Color

15.9422, 8.5396, 0.8081

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

6.4338, 4.6694, 2.3959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9422, 8.5396, 0.8081 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(166, 18, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 18, 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(166, 18, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 18, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.9422, 8.5396, 0.8081 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(166, 18, 0) }
```


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

```
.border{ border-color:rgb(166, 18, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 18, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 18, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 18, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 18, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9422, 8.5396, 0.8081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 18, 0) }
```

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

```
.background{ background-color: rgb(166, 18,  
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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