

Converting Colors

XYZ(15.7264, 8.1858, 0.7511)

Have a look what the booklet for
XYZ(15.7264, 8.1858, 0.7511)
contains.

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Color

**XYZ(15.7802, 8.2155,
0.7540)**

Conversions

Conversions Part 1

Format	Color
Hex	A60500
RGB	166, 5, 0
RGB Percent	65%, 2%, 0%
CMY	0.3490, 0.9803, 1.0000
CMYK	0.00, 0.97, 1.00, 0.35
HSL	2°, 100%, 33%
HSV	2°, 100%, 65%
XYZ	15.7802, 8.2155, 0.7540
YIQ	52.5690, 97.5610, 32.5770

Conversions

Conversions Part 2

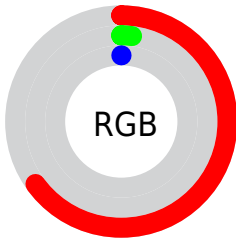
Format	Color
RYB	166, 5, 0
Decimal	10880256
CIELab	34.43, 57.45, 48.57
CIELCh	34, 75.229, 40.216
Yxy	8.2155, 0.6376, 0.3319
Android (android.graphics.Color)	4289070336 (0xFFA60500)
YUV	52.5690, -25.9165, 99.4790
Hunter-Lab	28.6627, 48.1132, 18.5042

Details

The XYZ color **15.7802, 8.2155, 0.7540** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.6236, 28.2345, 40.4918**, and the grayscale version is **3.3554, 3.5301, 3.8443**.

A 20% lighter version of the original color is **35.8910, 22.4852, 5.2447**, and **5.7089, 2.9431, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **15.7804, 8.2160, 0.7541**, and if you desaturate by 10%, it is **16.0943, 8.6870, 1.3425**.

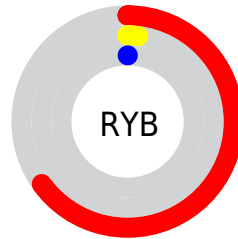
Distribution



Red (65%)

Green (2%)

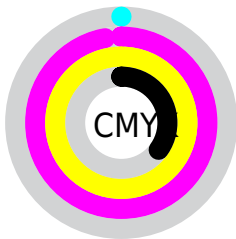
Blue (0%)



Red (65%)

Yellow (2%)

Blue (0%)

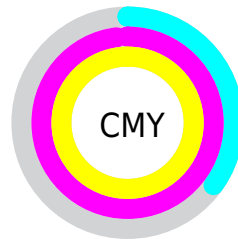


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7802, 8.2155, 0.7540 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 15.7802, 8.2155, 0.7540 by changing the saturation by 10% instead.


 15.7802, 8.2155,
0.7540


 15.7802, 8.2155,
0.7540


 221.3372,
177.4126, 98.6746


 9.4586, 4.2332,
0.0000


 35.7767, 22.3798,
5.2629


 5.1010, 1.8048,
0.0000

 50.1824, 33.3306,
9.9535


 2.3420, 0.4902,
0.0000

 68.0135, 47.3730,
16.8311

 0.8160, 0.0000,
0.0000

 89.6353, 64.8914,
26.3144

 0.0000, 0.0000,
0.0000

 115.4132, 86.2701,
38.8218

 145.7126,

111.8936, 54.7720

 180.8988,
142.1464, 74.5834


 15.7802, 8.2155,
0.7540


 15.7802, 8.2155,
0.7540


 15.7804, 8.2160,
0.7541

 16.0943, 8.6870,
1.3425

 16.6716, 9.5547,
2.4191

 17.5848, 10.9107,
4.1742

 18.8747, 12.8124,
6.6945

 20.5761, 15.3094,
10.0541

■ 22.7198, 18.4455,
14.3182

■ 25.3339, 22.2606,
19.5455

■ 28.4438, 26.7911,
25.7899

■ 32.0734, 32.0712,
33.1013

Harmonies

Analogous

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



18.8142, 8.2155, 5.4267



15.7802, 8.2155, 0.7540



10.8869, 8.2155, 0.0000

Triad

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



15.7802, 8.2155, 0.7540



2.3943, 8.2155, 3.1630



9.3366, 8.2155, 56.7798

Complementary

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



15.7802, 8.2155, 0.7540



19.6236, 28.2345, 40.4918

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.



5.3732, 8.2155, 53.4121



15.7802, 8.2155, 0.7540



2.2387, 8.2155, 13.7279

Square

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



15.7802, 8.2155, 0.7540



3.6564, 8.2155, 0.1337



3.1095, 8.2155, 33.8733



14.3005, 8.2155, 40.9720

Rectangle

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



15.7802, 8.2155, 0.7540



7.7781, 8.2155, 0.0000



3.1095, 8.2155, 33.8733



7.8392, 8.2155, 58.0506

Sweetspot

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



15.7804, 8.2160, 0.7541



45.6910, 39.9814, 34.8968



22.3576, 10.7597, 35.6584



9.7749, 8.2908, 6.9086



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.



15.7804, 8.2160, 0.7541



28.6122, 14.8558, 1.3594



19.0350, 14.7253, 1.8390



7.5486, 7.5773, 7.8540



12.2432, 6.3837, 0.5869



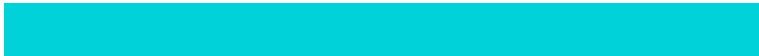
0.3034, 0.1664, 0.0161

Inverse Universe

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



19.6236, 28.2345, 40.4918



35.5854, 51.1839, 73.4792



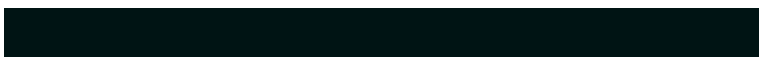
9.7687, 8.5247, 37.2069



7.7278, 8.4925, 9.6503



15.2236, 21.9074, 31.4017



0.3762, 0.5446, 0.7659

Previews

White Background



This preview shows how the XYZ color 15.7802, 8.2155, 0.7540 looks on a white background.

Color Contrast Check

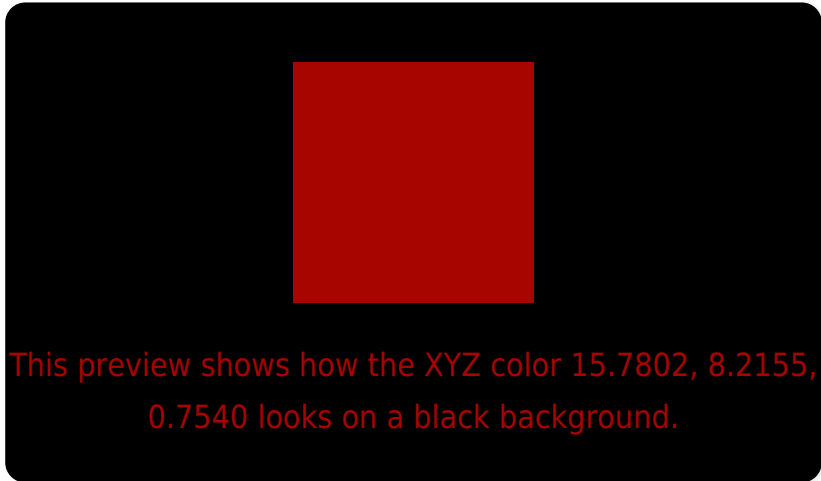
Large Text (above 18pt) WCAG AA ✓ Pass

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

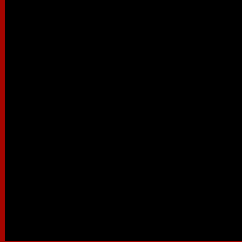
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7802, 8.2155, 0.7540

Background



This preview shows how black text looks on a background with the XYZ color 15.7802, 8.2155, 0.7540.



This preview shows how white text looks on a background with the XYZ color 15.7802, 8.2155,

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

15.7802, 8.2155, 0.7540

Protanopia

7.9218, 8.7745, 1.9856

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

15.6879, 8.3410, 0.7831

Trichromacy



Original Color

15.7802, 8.2155, 0.7540

Protanomaly

9.1846, 6.7545, 1.2004

Deuteranomaly

10.1752, 7.1354, 0.8410

Tritanomaly

15.6367, 8.2387, 0.7661

Monochromacy



Original Color

15.7802, 8.2155, 0.7540

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5357, 3.7569, 1.9468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7802, 8.2155, 0.7540 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, 5, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 5, 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, 5, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 5, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7802, 8.2155, 0.7540 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, 5, 0) }
```


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

```
.border{ border-color:rgb(166, 5, 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, 5, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 5, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(166, 5, 0); box-shadow:4px  
4px 4px 4px rgb(166, 5, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7802, 8.2155, 0.7540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 5, 0) }
```

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

```
.background{ background-color: rgb(166, 5,  
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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