

Converting Colors

XYZ(15.7446, 9.7749, 1.0569)

Have a look what the booklet for
XYZ(15.7446, 9.7749, 1.0569)
contains.

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Color

**XYZ(15.7963, 9.7737,
1.0540)**

Conversions

Conversions Part 1

Format	Color
Hex	A13100
RGB	161, 49, 0
RGB Percent	63%, 19%, 0%
CMY	0.3686, 0.8078, 1.0000
CMYK	0.00, 0.70, 1.00, 0.37
HSL	18°, 100%, 32%
HSV	18°, 100%, 63%
XYZ	15.7963, 9.7737, 1.0540
YIQ	76.9020, 82.4810, 8.5050

Conversions

Conversions Part 2

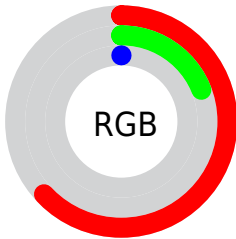
Format	Color
RYB	161, 70, 0
Decimal	10563840
CIELab	37.43, 44.59, 49.50
CIElCh	37, 66.620, 47.991
Yxy	9.7737, 0.5933, 0.3671
Android (android.graphics.Color)	4288753920 (0xFFA13100)
YUV	76.9020, -37.9127, 73.7539
Hunter-Lab	31.2629, 35.4811, 19.8851

Details

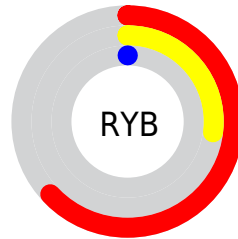
The XYZ color **15.7963, 9.7737, 1.0540** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.2267, 14.1605, 35.8069**, and the grayscale version is **7.0940, 7.4634, 8.1277**.

A 20% lighter version of the original color is **35.8026, 25.4387, 6.2720**, and **5.2555, 2.7093, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **15.7964, 9.7741, 1.0540**, and if you desaturate by 10%, it is **16.4189, 10.8682, 1.7267**.

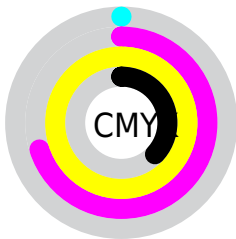
Distribution



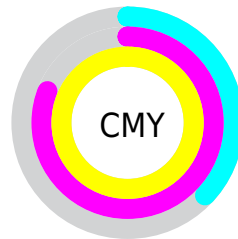
- Red (63%)
- Green (19%)
- Blue (0%)



- Red (63%)
- Yellow (27%)
- Blue (0%)



- Cyan (0%)
- Magenta (70%)
- Yellow (100%)
- Black (37%)




- Cyan (37%)
- Magenta (81%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7963, 9.7737, 1.0540 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 15.7963, 9.7737, 1.0540 by changing the saturation by 10% instead.


 15.7963, 9.7737,
1.0540


 15.7963, 9.7737,
1.0540


 221.4308,
189.0492, 105.3239


 9.4701, 5.2492,
0.0000


 35.8045, 25.3690,
6.2395


 5.1086, 2.3942,
0.0000

 50.2172, 37.2085,
11.4307


 2.3465, 0.8229,
0.0000

 68.0561, 52.2552,
18.9123

 0.8183, 0.0000,
0.0000


 89.6865, 70.8934,
29.1027


 0.0000, 0.0000,
0.0000


 115.4738, 93.5075,
42.4205

 145.7834,


120.4819, 59.2843


 180.9806,
152.2010, 80.1126


 15.7963, 9.7737,
1.0540


 15.7963, 9.7737,
1.0540


 15.7964, 9.7741,
1.0540

 16.4189, 10.8682,
1.7267

 17.2405, 12.2408,
2.8350

 18.3008, 13.9193,
4.5513

 19.6202, 15.9226,
6.9501

 21.2165, 18.2678,
10.0950

■ 23.1060, 20.9706,
14.0424

■ 25.3034, 24.0458,
18.8429

■ 27.8225, 27.5072,
24.5433

■ 30.6761, 31.3681,
31.1866

Harmonies

Analogous

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



19.2594, 9.7737, 4.9851



15.7963, 9.7737, 1.0540



11.0698, 9.7737, 0.0000

Triad

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



15.7963, 9.7737, 1.0540



3.4252, 9.7737, 6.5249



12.0086, 9.7737, 51.1645

Complementary

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



15.7963, 9.7737, 1.0540



12.2267, 14.1605, 35.8069

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.



7.7113, 9.7737, 52.9617



15.7963, 9.7737, 1.0540



3.5384, 9.7737, 19.4842

Square

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



15.7963, 9.7737, 1.0540



4.4949, 9.7737, 1.4624



4.8717, 9.7737, 38.6650



16.6591, 9.7737, 34.7763

Rectangle

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



15.7963, 9.7737, 1.0540



8.2134, 9.7737, 0.0000



4.8717, 9.7737, 38.6650



10.4560, 9.7737, 53.7851

Sweetspot

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



15.7965, 9.7743, 1.0541



45.0789, 42.7347, 33.2180



17.6617, 8.7626, 16.2951



9.5341, 8.8815, 6.5082



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.



15.7965, 9.7743, 1.0541



28.1363, 17.1969, 1.8364



22.5219, 23.2250, 3.2959



7.2414, 7.4212, 7.4309



12.6485, 7.8710, 0.8526



0.3056, 0.2451, 0.0312

Inverse Universe

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



12.2267, 14.1605, 35.8069



21.7159, 24.9982, 64.0671



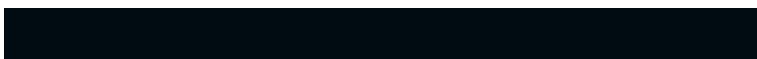
6.9550, 3.6172, 34.0497



7.0933, 7.6456, 9.0050



9.8021, 11.3835, 28.6104



0.2445, 0.3163, 0.6140

Previews

White Background



This preview shows how the XYZ color 15.7963, 9.7737, 1.0540 looks on a white background.

Color Contrast Check

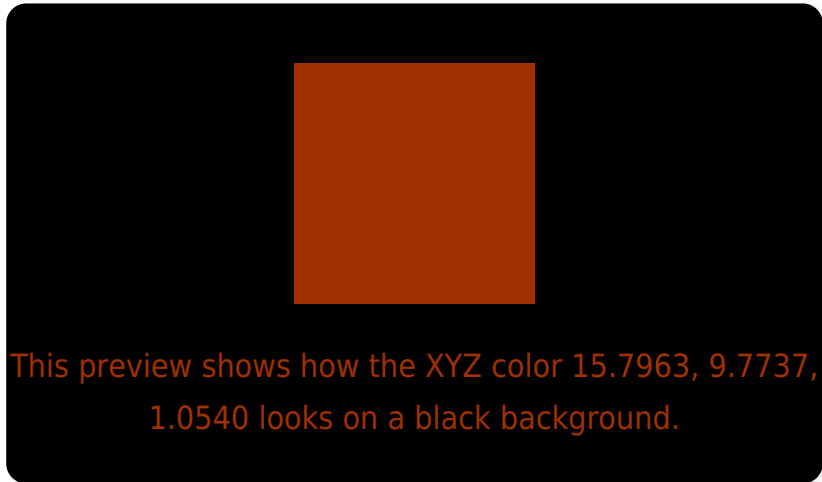
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7963, 9.7737, 1.0540

Background



This preview shows how black text looks on a background with the XYZ color 15.7963, 9.7737, 1.0540.



This preview shows how white text looks on a background with the XYZ color 15.7963, 9.7737,

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

15.7963, 9.7737, 1.0540

Protanopia

9.1322, 10.1227, 2.0448

Deuteranopia

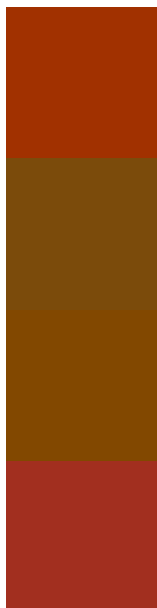
10.0586, 10.0077, 1.4015



Tritanopia

16.4108, 9.8488, 3.8324

Trichromacy



Original Color

15.7963, 9.7737, 1.0540

Protanomaly

10.7449, 9.2673, 1.5391

Deuteranomaly

11.5233, 9.3806, 1.2033

Tritanomaly

16.1641, 9.8133, 2.3385

Monochromacy



Original Color

15.7963, 9.7737, 1.0540

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.7459, 7.4242, 3.8778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7963, 9.7737, 1.0540 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(161, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 49, 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(161, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 49, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7963, 9.7737, 1.0540 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(161, 49, 0) }
```


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

```
.border{ border-color:rgb(161, 49, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 49, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 49, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7963, 9.7737, 1.0540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 49, 0) }
```

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

```
.background{ background-color: rgb(161, 49,  
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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