

Converting Colors

XYZ(15.7437, 18.9870, 2.5140)

Have a look what the booklet for
XYZ(15.7437, 18.9870, 2.5140)
contains.

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Color

**XYZ(15.7911, 19.0272,
2.8403)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7D00
RGB	125, 125, 0
RGB Percent	49%, 49%, 0%
CMY	0.5098, 0.5098, 1.0000
CMYK	0.00, 0.00, 1.00, 0.51
HSL	60°, 100%, 25%
HSV	60°, 100%, 49%
XYZ	15.7911, 19.0272, 2.8403
YIQ	110.7500, 40.1250, -38.8750

Conversions

Conversions Part 2

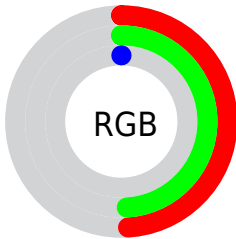
Format	Color
RYB	0, 125, 0
Decimal	8224000
CIELab	50.72, -12.71, 55.72
CIELCh	51, 57.149, 102.852
Yxy	19.0272, 0.4193, 0.5053
Android (android.graphics.Color)	4286414080 (0xFF7D7D00)
YUV	110.7500, -54.5998, 12.4972
Hunter-Lab	43.6202, -11.7159, 26.6735

Details

The XYZ color **15.7911, 19.0272, 2.8403** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **3.7021, 1.4810, 19.4939**, and the grayscale version is **15.1827, 15.9733, 17.3950**.

A 20% lighter version of the original color is **35.7323, 41.6497, 11.1569**, and **5.2569, 6.5466, 0.9866** is the 20% darker color. If you saturate the color by 10%, you get **15.7915, 19.0281, 2.8405**, and if you desaturate by 10%, it is **15.8611, 19.0559, 3.2065**.

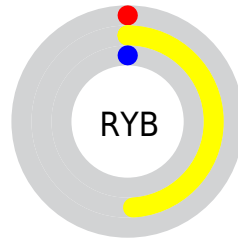
Distribution



Red (49%)

Green (49%)

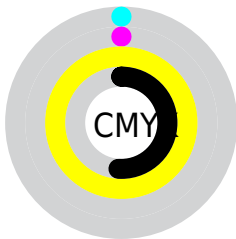
Blue (0%)



Red (0%)

Yellow (49%)

Blue (0%)

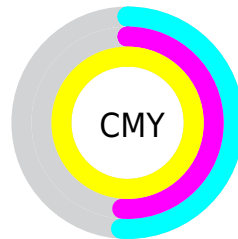


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (51%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7911, 19.0272, 2.8403 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 15.7911, 19.0272, 2.8403 by changing the saturation by 10% instead.

■ 15.7911, 19.0272,
2.8403

■ 15.7911, 19.0272,
2.8403

221.4006,
246.5989, 134.2999

■ 9.4664, 11.6899,
1.0137

■ 35.7955, 41.7801,
11.2318

■ 5.1061, 6.5329,
0.0000

■ 50.2060, 57.9644,
18.6337

■ 2.3451, 3.1718,
0.0000

■ 68.0423, 77.8666,
28.7311

■ 0.8176, 1.2220,
0.0000

■ 89.6700, 101.8711,
41.9426


■ 0.0000, 0.0796,
0.0000


■ 115.4543,
130.3621, 58.6867


■ 0.0000, 0.0000,
0.0000


■ 145.7606,


163.7242, 79.3819


 180.9542,
202.3416, 104.4468


 15.7911, 19.0272,
2.8403


 15.7911, 19.0272,
2.8403


 15.7915, 19.0281,
2.8405

 15.8611, 19.0559,
3.2065

 15.9671, 19.0983,
3.7649

 16.1336, 19.1649,
4.6413

 16.3676, 19.2585,
5.8732

 16.6753, 19.3816,
7.4931

■ 17.0621, 19.5364,
9.5299

■ 17.5330, 19.7247,
12.0095

■ 18.0926, 19.9486,
14.9559

■ 18.7451, 20.2096,
18.3914

Harmonies

Analogous

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



21.4536, 19.0272, 3.0026



15.7911, 19.0272, 2.8403



11.6985, 19.0272, 5.3242

Triad

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



15.7911, 19.0272, 2.8403



11.2762, 19.0272, 49.6121



30.4672, 19.0272, 31.2204

Complementary

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



15.7911, 19.0272, 2.8403



3.7021, 1.4810, 19.4939

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.



26.4531, 19.0272, 52.6003



15.7911, 19.0272, 2.8403



15.0885, 19.0272, 66.4457

Square

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



15.7911, 19.0272, 2.8403



9.4783, 19.0272, 28.3723



20.5905, 19.0272, 67.7573



30.7644, 19.0272, 14.5803

Rectangle

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



15.7911, 19.0272, 2.8403



10.0875, 19.0272, 9.5806



20.5905, 19.0272, 67.7573



29.4750, 19.0272, 38.2421

Sweetspot

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



15.7915, 19.0281, 2.8407



31.3286, 35.2934, 21.1524



8.4581, 4.3604, 0.3961



7.0570, 8.0003, 4.4476



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



15.7915, 19.0281, 2.8407



28.2770, 34.0726, 5.0863



9.3525, 15.7087, 2.5393



4.6654, 5.0194, 4.6431



16.4806, 19.8585, 2.9644



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.7021, 1.4810, 19.4939



6.6289, 2.6515, 34.9068



5.7204, 2.5215, 19.5884



4.1089, 4.2117, 5.4097



3.8635, 1.5454, 20.3446



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7911, 19.0272, 2.8403 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 15.7911, 19.0272, 2.8403 looks on a black 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 × Fail

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

XYZ 15.7911, 19.0272, 2.8403

Background



This preview shows how black text looks on a background with the XYZ color 15.7911, 19.0272, 2.8403.



This preview shows how white text looks on a background with the XYZ color 15.7911, 19.0272,

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

15.7911, 19.0272, 2.8403

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

19.3851, 19.0808, 3.2773



Tritanopia

19.6199, 18.9580, 22.0272

Trichromacy



Original Color

15.7911, 19.0272, 2.8403

Protanomaly

16.4753, 18.8246, 2.7652

Deuteranomaly

17.9909, 19.0598, 3.0785

Tritanomaly

17.2507, 18.5187, 10.2547

Monochromacy



Original Color

15.7911, 19.0272, 2.8403

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.5852, 16.6587, 8.4080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7911, 19.0272, 2.8403 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(125, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 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(125, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.7911, 19.0272, 2.8403 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(125, 125, 0) }
```


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

```
.border{ border-color:rgb(125, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(125, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 125,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7911, 19.0272, 2.8403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 0) }
```

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

```
.background{ background-color: rgb(125,  
125, 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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