

Converting Colors

XYZ(17.7725, 11.4778, 1.2795)

Have a look what the booklet for
XYZ(17.7725, 11.4778, 1.2795)
contains.

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Color

**XYZ(17.7124, 11.4528,
1.2771)**

Conversions

Conversions Part 1

Format	Color
Hex	A83B00
RGB	168, 59, 0
RGB Percent	66%, 23%, 0%
CMY	0.3412, 0.7686, 1.0000
CMYK	0.00, 0.65, 1.00, 0.34
HSL	21°, 100%, 33%
HSV	21°, 100%, 66%
XYZ	17.7124, 11.4528, 1.2771
YIQ	84.8650, 83.9030, 4.7590

Conversions

Conversions Part 2

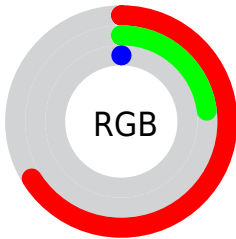
Format	Color
RYB	168, 91, 0
Decimal	11025152
CIELab	40.33, 42.78, 51.68
CIELCh	40, 67.093, 50.385
Yxy	11.4528, 0.5818, 0.3762
Android (android.graphics.Color)	4289215232 (0xFFA83B00)
YUV	84.8650, -41.8384, 72.9094
Hunter-Lab	33.8420, 34.2008, 21.4520

Details

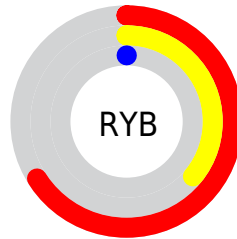
The XYZ color **17.7124, 11.4528, 1.2771** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.5359, 13.7633, 39.0412**, and the grayscale version is **8.6795, 9.1315, 9.9442**.

A 20% lighter version of the original color is **38.9834, 28.4582, 6.9284**, and **6.0634, 3.1258, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **17.7125, 11.4532, 1.2771**, and if you desaturate by 10%, it is **18.4323, 12.7333, 2.0086**.

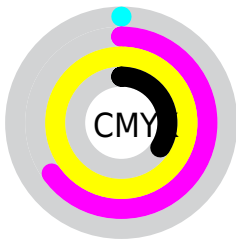
Distribution



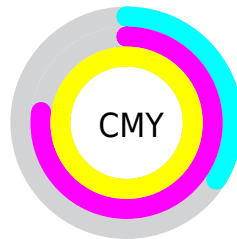
- Red (66%)
- Green (23%)
- Blue (0%)



- Red (66%)
- Yellow (36%)
- Blue (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (100%)
- Black (34%)





- Cyan (34%)
- Magenta (77%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.7124, 11.4528, 1.2771 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 17.7124, 11.4528, 1.2771 by changing the saturation by 10% instead.


 17.7124, 11.4528,
1.2771


 17.7124, 11.4528,
1.2771


 232.3220,
200.7482, 109.8886


 10.8421, 6.3723,
0.0429


 39.0806, 28.4945,
6.9487


 6.0273, 3.0727,
0.0000


 54.3092, 41.2244,
12.4855


 2.9025, 1.1698,
0.0000

 73.0547, 57.2729,
20.3811

 1.1024, 0.0369,
0.0000

 95.6824, 77.0245,
31.0539


 0.0271, 0.0000,
0.0000


 122.5576,
100.8633, 44.9225


 0.0000, 0.0000,
0.0000


 154.0457,


129.1740, 62.4054


 190.5120,
162.3408, 83.9213


 17.7124, 11.4528,
1.2771


 17.7124, 11.4528,
1.2771

 17.7125, 11.4532,
1.2771

 18.4323, 12.7333,
2.0086

 19.3594, 14.2941,
3.2222

 20.5344, 16.1619,
5.1007

 21.9786, 18.3546,
7.7266

 23.7102, 20.8880,
11.1703

■ 25.7460, 23.7772,
15.4939

■ 28.1011, 27.0360,
20.7534

■ 30.7896, 30.6775,
27.0004

■ 33.8249, 34.7142,
34.2823

Harmonies

Analogous

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



21.7238, 11.4528, 5.4609



17.7124, 11.4528, 1.2771



12.4634, 11.4528, 0.2370

Triad

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



17.7124, 11.4528, 1.2771



4.1925, 11.4528, 8.6325



14.3408, 11.4528, 55.7654

Complementary

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



17.7124, 11.4528, 1.2771



12.5359, 13.7633, 39.0412

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.



9.4468, 11.4528, 59.2426



17.7124, 11.4528, 1.2771



4.4288, 11.4528, 23.8112

Square

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



17.7124, 11.4528, 1.2771



5.3090, 11.4528, 2.1845



6.0861, 11.4528, 44.8503



19.4212, 11.4528, 37.2716

Rectangle

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



17.7124, 11.4528, 1.2771



9.3387, 11.4528, 0.2479



6.0861, 11.4528, 44.8503



12.5944, 11.4528, 59.0725

Sweetspot

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



17.7126, 11.4535, 1.2773



50.7424, 48.7167, 37.0872



18.9194, 9.4333, 15.3483



10.6714, 10.0839, 7.2075



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.



17.7126, 11.4535, 1.2773



31.9593, 20.4177, 2.2566



25.9407, 27.9096, 4.0200



7.7386, 7.9573, 7.9173



13.4203, 8.7378, 0.9792



0.3745, 0.3085, 0.0398

Inverse Universe

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



12.5359, 13.7633, 39.0412



22.5399, 24.5586, 70.7774



7.4198, 3.5311, 37.3359



7.5225, 8.0819, 9.5818



9.5160, 10.4923, 29.4992



0.2768, 0.3458, 0.7328

Previews

White Background



This preview shows how the XYZ color 17.7124, 11.4528, 1.2771 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 × Fail

Black Background



This preview shows how the XYZ color 17.7124, 11.4528, 1.2771 looks on a black 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

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

XYZ 17.7124, 11.4528, 1.2771

Background



This preview shows how black text looks on a background with the XYZ color 17.7124, 11.4528, 1.2771.



This preview shows how white text looks on a background with the XYZ color 17.7124, 11.4528,

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

17.7124, 11.4528, 1.2771

Protanopia

10.4684, 11.5944, 2.2165

Deuteranopia

11.6262, 11.5471, 1.6160



Tritanopia

18.4921, 11.4729, 5.2428

Trichromacy



Original Color

17.7124, 11.4528, 1.2771

Protanomaly

12.3596, 10.9565, 1.7800

Deuteranomaly

13.2772, 10.9952, 1.4225

Tritanomaly

18.1103, 11.3969, 2.9956

Monochromacy



Original Color

17.7124, 11.4528, 1.2771

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.3205, 9.0801, 4.6987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7124, 11.4528, 1.2771 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(168, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 59, 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(168, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.7124, 11.4528, 1.2771 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(168, 59, 0) }
```


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

```
.border{ border-color:rgb(168, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7124, 11.4528, 1.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 59, 0) }
```

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

```
.background{ background-color: rgb(168, 59,  
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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