

Converting Colors

XYZ(16.9524, 12.1906, 1.4595)

Have a look what the booklet for
XYZ(16.9524, 12.1906, 1.4595)
contains.

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Color

**XYZ(17.0153, 12.2118,
1.4603)**

Conversions

Conversions Part 1

Format	Color
Hex	A14800
RGB	161, 72, 0
RGB Percent	63%, 28%, 0%
CMY	0.3686, 0.7176, 1.0000
CMYK	0.00, 0.55, 1.00, 0.37
HSL	27°, 100%, 32%
HSV	27°, 100%, 63%
XYZ	17.0153, 12.2118, 1.4603
YIQ	90.4030, 76.1560, -3.5240

Conversions

Conversions Part 2

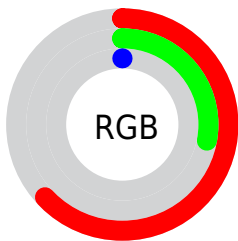
Format	Color
RYB	161, 130, 0
Decimal	10569728
CIELab	41.55, 33.73, 51.71
CIELCh	42, 61.738, 56.880
Yxy	12.2118, 0.5545, 0.3979
Android (android.graphics.Color)	4288759808 (0xFFA14800)
YUV	90.4030, -44.5687, 61.9136
Hunter-Lab	34.9454, 25.7592, 21.9842

Details

The XYZ color **17.0153, 12.2118, 1.4603** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.0051, 9.7173, 35.0662**, and the grayscale version is **9.8947, 10.4100, 11.3365**.

A 20% lighter version of the original color is **37.9210, 29.9810, 7.5296**, and **5.7859, 3.4376, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **17.0155, 12.2123, 1.4604**, and if you desaturate by 10%, it is **17.7275, 13.4855, 2.1629**.

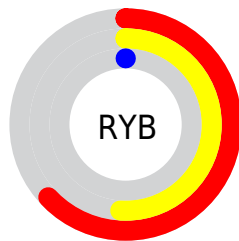
Distribution



Red (63%)

Green (28%)

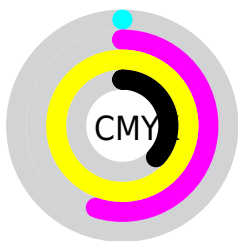
Blue (0%)



Red (63%)

Yellow (51%)

Blue (0%)

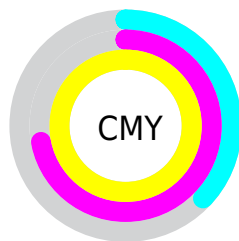


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0153, 12.2118, 1.4603 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 17.0153, 12.2118, 1.4603 by changing the saturation by 10% instead.


 17.0153, 12.2118,
1.4603


 17.0153, 12.2118,
1.4603


 228.4151,
205.8025, 113.3363


 10.3408, 6.8881,
0.1881


 37.8955, 29.8803,
7.5045


 5.6895, 3.3922,
0.0000

 52.8318, 42.9938,
13.3032


 2.6960, 1.3398,
0.0000

 71.2528, 59.4728,
21.5111

 0.9951, 0.1717,
0.0000

 93.5238, 79.7015,
32.5466


 0.0000, 0.0000,
0.0000


 120.0102,
104.0645, 46.8284


 151.0773,


132.9460, 64.7749


 187.0905,
166.7306, 86.8047


 17.0153, 12.2118,
1.4603


 17.0153, 12.2118,
1.4603


 17.0155, 12.2123,
1.4604

 17.7275, 13.4855,
2.1629

 18.6010, 14.9618,
3.2885

 19.6715, 16.6607,
5.0082

 20.9556, 18.5935,
7.3952

 22.4680, 20.7708,
10.5121

■ 24.2217, 23.2021,
14.4141

■ 26.2287, 25.8964,
19.1512

■ 28.4999, 28.8623,
24.7689

■ 31.0458, 32.1077,
31.3096

Harmonies

Analogous

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



21.1798, 12.2118, 4.9359



17.0153, 12.2118, 1.4603



12.0851, 12.2118, 0.6986

Triad

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



17.0153, 12.2118, 1.4603



4.9259, 12.2118, 11.9909



15.9826, 12.2118, 49.9935

Complementary

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



17.0153, 12.2118, 1.4603



10.0051, 9.7173, 35.0662

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.



11.1416, 12.2118, 56.6650



17.0153, 12.2118, 1.4603



5.4660, 12.2118, 27.9707

Square

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



17.0153, 12.2118, 1.4603



5.7565, 12.2118, 3.8232



7.4865, 12.2118, 46.7976



20.4832, 12.2118, 31.9908

Rectangle

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



17.0153, 12.2118, 1.4603



9.2680, 12.2118, 0.8782



7.4865, 12.2118, 46.7976



14.3096, 12.2118, 53.9941

Sweetspot

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



17.0156, 12.2125, 1.4605



46.7582, 46.0933, 33.7778



16.5963, 8.3364, 10.6849



9.9340, 9.6814, 6.6415



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.



17.0156, 12.2125, 1.4605



30.2826, 21.4896, 2.5518



25.6467, 29.4748, 4.3376



7.3224, 7.5831, 7.4578



13.6294, 9.8328, 1.1796



0.3333, 0.3005, 0.0404

Inverse Universe

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



10.0051, 9.7173, 35.0662



17.7185, 17.0034, 62.7346



6.5497, 2.8065, 33.9144



7.0098, 7.4786, 8.9771



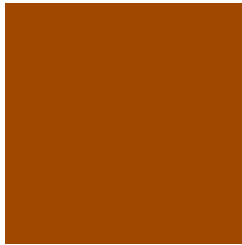
8.0318, 7.8431, 28.0203



0.2151, 0.2574, 0.6042

Previews

White Background



This preview shows how the XYZ color 17.0153, 12.2118, 1.4603 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 17.0153, 12.2118, 1.4603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

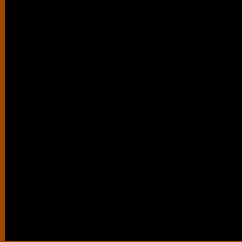
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0153, 12.2118, 1.4603

Background



This preview shows how black text looks on a background with the XYZ color 17.0153, 12.2118, 1.4603.



This preview shows how white text looks on a background with the XYZ color 17.0153, 12.2118,

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

17.0153, 12.2118, 1.4603

Protanopia

11.1036, 12.3377, 2.2481

Deuteranopia

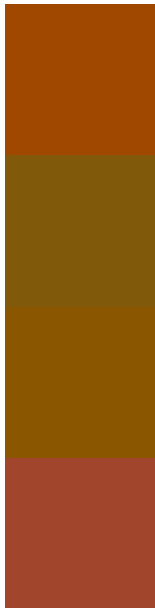
12.4602, 12.3654, 1.7300



Tritanopia

18.2487, 12.2558, 7.3650

Trichromacy



Original Color

17.0153, 12.2118, 1.4603

Protanomaly

12.6804, 11.8338, 1.9030

Deuteranomaly

13.8090, 12.0589, 1.5998

Tritanomaly

17.5021, 12.1271, 3.9009

Monochromacy



Original Color

17.0153, 12.2118, 1.4603

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.0342, 10.1949, 5.2571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0153, 12.2118, 1.4603 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, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 72, 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, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.0153, 12.2118, 1.4603 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, 72, 0) }
```


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

```
.border{ border-color:rgb(161, 72, 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, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.0153, 12.2118, 1.4603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 72, 0) }
```

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

```
.background{ background-color: rgb(161, 72,  
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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