

Converting Colors

XYZ(17.0736, 12.4329, 1.4999)

Have a look what the booklet for
XYZ(17.0736, 12.4329, 1.4999)
contains.

XYZ(17.1467, 12.4746, 1.5041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.1467, 12.4746,
1.5041)**

Conversions

Conversions Part 1

Format	Color
Hex	A14A00
RGB	161, 74, 0
RGB Percent	63%, 29%, 0%
CMY	0.3686, 0.7098, 1.0000
CMYK	0.00, 0.54, 1.00, 0.37
HSL	28°, 100%, 32%
HSV	28°, 100%, 63%
XYZ	17.1467, 12.4746, 1.5041
YIQ	91.5770, 75.6060, -4.5700

Conversions

Conversions Part 2

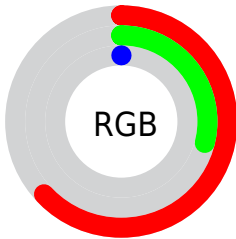
Format	Color
R_{YB}	161, 137, 0
Decimal	10570240
CIE _{Lab}	41.96, 32.69, 51.94
CIE _{LCh}	42, 61.375, 57.816
Yxy	12.4746, 0.5509, 0.4008
Android (android.graphics.Color)	4288760320 (0xFFA14A00)
YUV	91.5770, -45.1475, 60.8840
Hunter-Lab	35.3194, 24.8484, 22.1987

Details

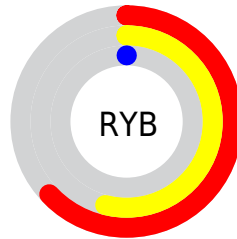
The XYZ color **17.1467, 12.4746, 1.5041** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.8409, 9.3891, 35.0115**, and the grayscale version is **10.1641, 10.6934, 11.6451**.

A 20% lighter version of the original color is **38.0457, 30.2304, 7.5712**, and **5.8271, 3.5200, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **17.1469, 12.4751, 1.5042**, and if you desaturate by 10%, it is **17.8628, 13.7562, 2.2080**.

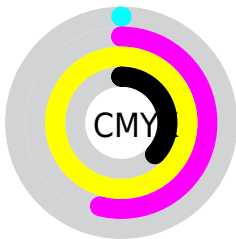
Distribution



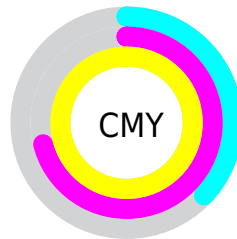
- Red (63%)
- Green (29%)
- Blue (0%)



- Red (63%)
- Yellow (54%)
- Blue (0%)



- Cyan (0%)
- Magenta (54%)
- Yellow (100%)
- Black (37%)





- Cyan (37%)
- Magenta (71%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.1467, 12.4746, 1.5041 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 17.1467, 12.4746, 1.5041 by changing the saturation by 10% instead.


 17.1467, 12.4746,
1.5041


 17.1467, 12.4746,
1.5041


 229.1561,
207.5224, 114.1273


 10.4351, 7.0678,
0.2210


 38.1194, 30.3566,
7.6344


 5.7528, 3.5045,
0.0000

 53.1113, 43.6005,
13.4933

 2.7346, 1.4005,
0.0000

 71.5939, 60.2257,
21.7728

 1.0150, 0.2171,
0.0000

 93.9326, 80.6163,
32.8913


 0.0000, 0.0000,
0.0000


 120.4929,
105.1569, 47.2675


 151.6400,


134.2319, 65.3199


 187.7393,
168.2256, 87.4669


 17.1467, 12.4746,
1.5041


 17.1467, 12.4746,
1.5041


 17.1469, 12.4751,
1.5042

 17.8628, 13.7562,
2.2080

 18.7371, 15.2339,
3.3339

 19.8047, 16.9272,
5.0526

 21.0824, 18.8472,
7.4375

 22.5845, 21.0038,
10.5509

■ 24.3238, 23.4063,
14.4482

■ 26.3121, 26.0632,
19.1790

■ 28.5602, 28.9828,
24.7890

■ 31.0783, 32.1727,
31.3205

Harmonies

Analogous

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



21.3862, 12.4746, 4.9318



17.1467, 12.4746, 1.5041



12.1929, 12.4746, 0.7702

Triad

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



17.1467, 12.4746, 1.5041



5.0929, 12.4746, 12.6512



16.4197, 12.4746, 49.9171

Complementary

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



17.1467, 12.4746, 1.5041



9.8409, 9.3891, 35.0115

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.



11.5268, 12.4746, 57.0779



17.1467, 12.4746, 1.5041



5.6857, 12.4746, 28.9272

Square

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



17.1467, 12.4746, 1.5041



5.8922, 12.4746, 4.1380



7.7848, 12.4746, 47.6803



20.8966, 12.4746, 31.7485

Rectangle

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



17.1467, 12.4746, 1.5041



9.3790, 12.4746, 0.9728



7.7848, 12.4746, 47.6803



14.7363, 12.4746, 54.0549

Sweetspot

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



17.1470, 12.4753, 1.5043



46.9097, 46.3962, 33.8282



16.4822, 8.2908, 10.0842



9.9703, 9.7539, 6.6536



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.



17.1470, 12.4753, 1.5043



30.5160, 21.9564, 2.6296



26.0808, 30.3430, 4.4823



7.3295, 7.5973, 7.4602



13.7347, 10.0434, 1.2147



0.3357, 0.3053, 0.0412

Inverse Universe

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



9.8409, 9.3891, 35.0115



17.4246, 16.4156, 62.6367



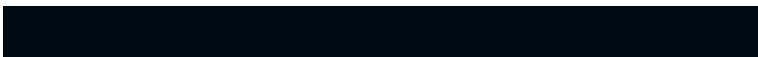
6.5204, 2.7480, 33.9047



7.0026, 7.4642, 8.9747



7.9007, 7.5809, 27.9766



0.2126, 0.2526, 0.6034

Previews

White Background



This preview shows how the XYZ color 17.1467, 12.4746, 1.5041 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 17.1467, 12.4746, 1.5041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

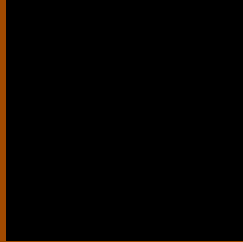
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.1467, 12.4746, 1.5041

Background



This preview shows how black text looks on a background with the XYZ color 17.1467, 12.4746, 1.5041.



This preview shows how white text looks on a background with the XYZ color 17.1467, 12.4746,

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

17.1467, 12.4746, 1.5041

Protanopia

11.4534, 12.6595, 2.2918

Deuteranopia

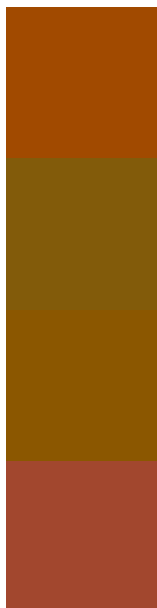
12.6964, 12.6200, 1.7667



Tritanopia

18.4350, 12.5238, 7.7490

Trichromacy



Original Color

17.1467, 12.4746, 1.5041

Protanomaly

13.0018, 12.2499, 1.9664

Deuteranomaly

14.0557, 12.3054, 1.6344

Tritanomaly

17.6467, 12.3851, 4.0453

Monochromacy



Original Color

17.1467, 12.4746, 1.5041

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.3740, 10.5947, 5.5832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1467, 12.4746, 1.5041 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, 74, 0)` looks like.

```
.text, #text, p{  
  color:rgb(161, 74, 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, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.1467, 12.4746, 1.5041 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, 74, 0) }
```


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

```
.border{ border-color:rgb(161, 74, 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, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.1467, 12.4746, 1.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 74, 0) }
```

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

```
.background{ background-color: rgb(161, 74,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor