

Converting Colors

XYZ(17.0272, 12.6201, 0.0000)

Have a look what the booklet for
XYZ(17.0272, 12.6201, 0.0000)
contains.

XYZ(17.2824, 12.7459, 1.5493)	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(17.2824, 12.7459,
1.5493)**

Conversions

Conversions Part 1

Format	Color
Hex	A14C00
RGB	161, 76, 0
RGB Percent	63%, 30%, 0%
CMY	0.3686, 0.7019, 1.0000
CMYK	0.00, 0.53, 1.00, 0.37
HSL	28°, 100%, 32%
HSV	28°, 100%, 63%
XYZ	17.2824, 12.7459, 1.5493
YIQ	92.7510, 75.0560, -5.6160

Conversions

Conversions Part 2

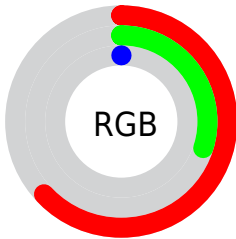
Format	Color
RYB	161, 144, 0
Decimal	10570752
CIELab	42.38, 31.64, 52.19
CIELCh	42, 61.027, 58.776
Yxy	12.7459, 0.5473, 0.4036
Android (android.graphics.Color)	4288760832 (0xFFA14C00)
YUV	92.7510, -45.7262, 59.8544
Hunter-Lab	35.7014, 23.9312, 22.4180

Details

The XYZ color **17.2824, 12.7459, 1.5493** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.6813, 9.0698, 34.9585**, and the grayscale version is **10.4378, 10.9813, 11.9587**.

A 20% lighter version of the original color is **38.3236, 30.7467, 7.7857**, and **5.8947, 3.6553, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **17.2826, 12.7464, 1.5494**, and if you desaturate by 10%, it is **18.0018, 14.0340, 2.2543**.

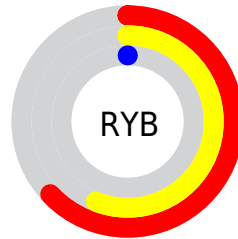
Distribution



Red (63%)

Green (30%)

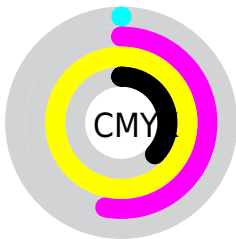
Blue (0%)



Red (63%)

Yellow (56%)

Blue (0%)

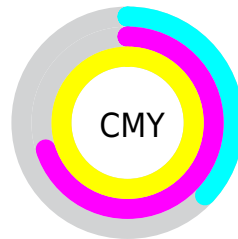


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.2824, 12.7459, 1.5493 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 17.2824, 12.7459, 1.5493 by changing the saturation by 10% instead.


 17.2824, 12.7459,
1.5493


 17.2824, 12.7459,
1.5493


 229.9192,
209.2827, 114.9313


 10.5326, 7.2538,
0.2543


 38.3504, 30.8465,
7.7673

 5.8184, 3.6213,
0.0000

 53.3994, 44.2238,
13.6875


 2.7746, 1.4641,
0.0000

 71.9454, 60.9984,
22.0397

 1.0357, 0.2632,
0.0000

 94.3538, 81.5545,
33.2425


 0.0000, 0.0000,
0.0000


 120.9901,
106.2766, 47.7146


 152.2195,


135.5490, 65.8744


 188.4074,
169.7563, 88.1404


 17.2824, 12.7459,
1.5493


 17.2824, 12.7459,
1.5493

 17.2826, 12.7464,
1.5494

 18.0018, 14.0340,
2.2543

 18.8761, 15.5119,
3.3802

 19.9404, 17.1984,
5.0978

 21.2111, 19.1044,
7.4803

 22.7023, 21.2393,
10.5902

■ 24.4268, 23.6121,
14.4825

■ 26.3960, 26.2310,
19.2069

■ 28.6207, 29.1038,
24.8092

■ 31.1110, 32.2379,
31.3314

Harmonies

Analogous

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



21.5992, 12.7459, 4.9279



17.2824, 12.7459, 1.5493



12.3039, 12.7459, 0.8426

Triad

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



17.2824, 12.7459, 1.5493



5.2663, 12.7459, 13.3458



16.8724, 12.7459, 49.8466

Complementary

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



17.2824, 12.7459, 1.5493



9.6813, 9.0698, 34.9585

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.



11.9273, 12.7459, 57.5064



17.2824, 12.7459, 1.5493



5.9147, 12.7459, 29.9221

Square

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



17.2824, 12.7459, 1.5493



6.0322, 12.7459, 4.4742



8.0957, 12.7459, 48.5926



21.3236, 12.7459, 31.5081

Rectangle

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



17.2824, 12.7459, 1.5493



9.4932, 12.7459, 1.0725



8.0957, 12.7459, 48.5926



15.1789, 12.7459, 54.1241

Sweetspot

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



17.2827, 12.7466, 1.5495



47.0620, 46.7008, 33.8790



16.3723, 8.2468, 9.5051



10.0068, 9.8270, 6.6657



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.



17.2827, 12.7466, 1.5495



30.7573, 22.4388, 2.7100



26.5249, 31.2310, 4.6303



7.3366, 7.6116, 7.4626



13.8434, 10.2607, 1.2509



0.3381, 0.3101, 0.0420

Inverse Universe

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



9.6813, 9.0698, 34.9585



17.1391, 15.8445, 62.5415



6.4913, 2.6898, 33.8951



6.9954, 7.4499, 8.9723



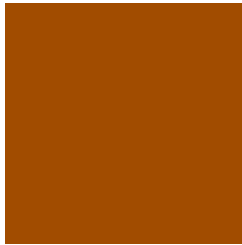
7.7732, 7.3258, 27.9341



0.2102, 0.2478, 0.6026

Previews

White Background



This preview shows how the XYZ color 17.2824, 12.7459, 1.5493 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



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 17.2824, 12.7459, 1.5493

Background



This preview shows how black text looks on a background with the XYZ color 17.2824, 12.7459, 1.5493.



This preview shows how white text looks on a background with the XYZ color 17.2824, 12.7459,

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

17.2824, 12.7459, 1.5493

Protanopia

11.6793, 12.9193, 2.3300

Deuteranopia

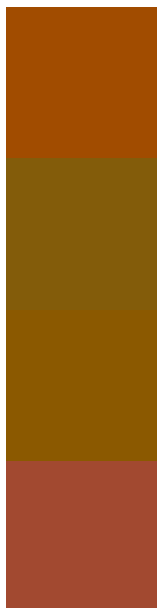
12.9353, 12.8778, 1.8039



Tritanopia

18.6275, 12.8010, 8.1457

Trichromacy



Original Color

17.2824, 12.7459, 1.5493

Protanomaly

13.2420, 12.5015, 2.0023

Deuteranomaly

14.2198, 12.6337, 1.6891

Tritanomaly

17.8163, 12.6599, 4.3009

Monochromacy



Original Color

17.2824, 12.7459, 1.5493

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.6688, 10.9837, 5.6427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2824, 12.7459, 1.5493 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, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 76, 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, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.2824, 12.7459, 1.5493 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, 76, 0) }
```


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

```
.border{ border-color:rgb(161, 76, 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, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2824, 12.7459, 1.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 76, 0) }
```

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

```
.background{ background-color: rgb(161, 76,  
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