

Converting Colors

XYZ(17.5679, 12.6530, 1.5163)

Have a look what the booklet for
XYZ(17.5679, 12.6530, 1.5163)
contains.

XYZ(17.5530, 12.6841, 1.5231)	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(17.5530, 12.6841,
1.5231)**

Conversions

Conversions Part 1

Format	Color
Hex	A34A00
RGB	163, 74, 0
RGB Percent	64%, 29%, 0%
CMY	0.3608, 0.7098, 1.0000
CMYK	0.00, 0.55, 1.00, 0.36
HSL	27°, 100%, 32%
HSV	27°, 100%, 64%
XYZ	17.5530, 12.6841, 1.5231
YIQ	92.1750, 76.7980, -4.1460

Conversions

Conversions Part 2

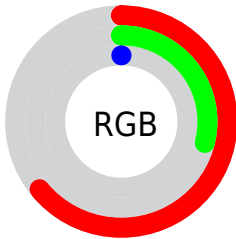
Format	Color
RYB	163, 136, 0
Decimal	10701312
CIELab	42.28, 33.51, 52.30
CIElCh	42, 62.116, 57.348
Yxy	12.6841, 0.5527, 0.3994
Android (android.graphics.Color)	4288891392 (0xFFA34A00)
YUV	92.1750, -45.4423, 62.1135
Hunter-Lab	35.6147, 25.6493, 22.3947

Details

The XYZ color **17.5530, 12.6841, 1.5231** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.1828, 9.7883, 36.0026**, and the grayscale version is **10.3028, 10.8393, 11.8040**.

A 20% lighter version of the original color is **38.7879, 30.8000, 7.6420**, and **6.0566, 3.6383, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **17.5532, 12.6847, 1.5232**, and if you desaturate by 10%, it is **18.2859, 13.9968, 2.2400**.

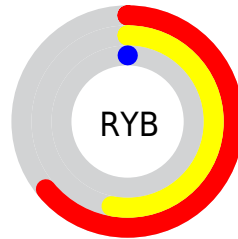
Distribution



Red (64%)

Green (29%)

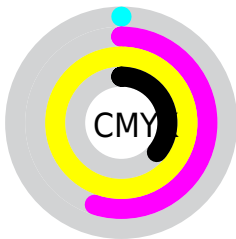
Blue (0%)



Red (64%)

Yellow (53%)

Blue (0%)

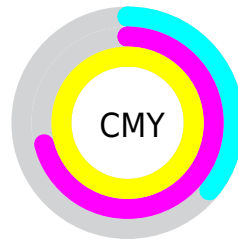


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5530, 12.6841, 1.5231 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 17.5530, 12.6841, 1.5231 by changing the saturation by 10% instead.


 17.5530, 12.6841,
1.5231


 17.5530, 12.6841,
1.5231


 231.4339,
208.8831, 114.4667


 10.7273, 7.2114,
0.2350


 38.8102, 30.7351,
7.6904


 5.9497, 3.5946,
0.0000


 53.9725, 44.0821,
13.5752


 2.8549, 1.4495,
0.0000

 72.6443, 60.8227,
21.8853

 1.0775, 0.2528,
0.0000

 95.1910, 81.3413,
33.0395

 0.0062, 0.0000,
0.0000


 121.9779,
106.0222, 47.4562


 0.0000, 0.0000,
0.0000


 153.3705,


135.2499, 65.5539


 189.7341,
169.4087, 87.7512


 17.5530, 12.6841,
1.5231


 17.5530, 12.6841,
1.5231


 17.5532, 12.6847,
1.5232

 18.2859, 13.9968,
2.2400

 19.1833, 15.5146,
3.3933

 20.2814, 17.2574,
5.1569

 21.5973, 19.2370,
7.6065

 23.1460, 21.4638,
10.8066

■ 24.9408, 23.9475,
14.8140

■ 26.9939, 26.6972,
19.6802

■ 29.3166, 29.7214,
25.4523

■ 31.9194, 33.0282,
32.1738

Harmonies

Analogous

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



21.8712, 12.6841, 5.0701



17.5530, 12.6841, 1.5231



12.4744, 12.6841, 0.7588

Triad

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



17.5530, 12.6841, 1.5231



5.1475, 12.6841, 12.6593



16.6483, 12.6841, 51.3353

Complementary

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



17.5530, 12.6841, 1.5231



10.1828, 9.7883, 36.0026

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.



11.6468, 12.6841, 58.4430



17.5530, 12.6841, 1.5231



5.7295, 12.6841, 29.2335

Square

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



17.5530, 12.6841, 1.5231



5.9852, 12.6841, 4.0889



7.8460, 12.6841, 48.5438



21.2614, 12.6841, 32.7496

Rectangle

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



17.5530, 12.6841, 1.5231



9.5812, 12.6841, 0.9517



7.8460, 12.6841, 48.5438



14.9237, 12.6841, 55.5171

Sweetspot

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



17.5533, 12.6848, 1.5233



48.1269, 47.5257, 34.7182



16.9347, 8.5187, 10.3468



10.4672, 10.2195, 6.9772



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.5533, 12.6848, 1.5233



31.2420, 22.3279, 2.6631



26.8004, 31.1790, 4.6057



7.3263, 7.5909, 7.4591



13.6866, 9.9471, 1.1986



0.3346, 0.3031, 0.0409

Inverse Universe

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



10.1828, 9.7883, 36.0026



18.0340, 17.1246, 64.4110



6.6993, 2.8213, 34.8414



7.0059, 7.4707, 8.9758



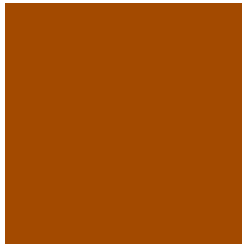
7.9598, 7.6989, 27.9963



0.2137, 0.2547, 0.6038

Previews

White Background



This preview shows how the XYZ color 17.5530, 12.6841, 1.5231 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 17.5530, 12.6841, 1.5231 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 17.5530, 12.6841, 1.5231

Background



This preview shows how black text looks on a background with the XYZ color 17.5530, 12.6841, 1.5231.



This preview shows how white text looks on a background with the XYZ color 17.5530, 12.6841,

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

17.5530, 12.6841, 1.5231

Protanopia

11.5500, 12.8526, 2.3240

Deuteranopia

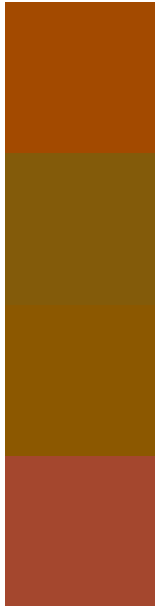
12.9353, 12.8778, 1.8039



Tritanopia

18.8478, 12.7366, 7.7684

Trichromacy



Original Color

17.5530, 12.6841, 1.5231

Protanomaly

13.1559, 12.3294, 1.9736

Deuteranomaly

14.3049, 12.5549, 1.6694

Tritanomaly

18.0562, 12.5962, 4.0644

Monochromacy



Original Color

17.5530, 12.6841, 1.5231

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.5091, 10.6643, 5.5895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5530, 12.6841, 1.5231 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(163, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.5530, 12.6841, 1.5231 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(163, 74, 0) }
```


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

```
.border{ border-color:rgb(163, 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(163, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.5530, 12.6841, 1.5231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 74, 0) }
```

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

```
.background{ background-color: rgb(163, 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