

Converting Colors

XYZ(17.8909, 12.7243, 0.0000)

Have a look what the booklet for
XYZ(17.8909, 12.7243, 0.0000)
contains.

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Color

**XYZ(18.2537, 12.8502,
1.5183)**

Conversions

Conversions Part 1

Format	Color
Hex	A74800
RGB	167, 72, 0
RGB Percent	65%, 28%, 0%
CMY	0.3451, 0.7176, 1.0000
CMYK	0.00, 0.57, 1.00, 0.35
HSL	26°, 100%, 33%
HSV	26°, 100%, 65%
XYZ	18.2537, 12.8502, 1.5183
YIQ	92.1970, 79.7320, -2.2520

Conversions

Conversions Part 2

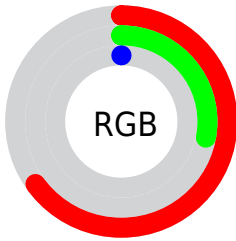
Format	Color
R_{YB}	167, 127, 0
Decimal	10962944
CIE _{Lab}	42.54, 36.16, 52.79
CIE _{LCh}	43, 63.985, 55.587
Yxy	12.8502, 0.5595, 0.3939
Android (android.graphics.Color)	4289153024 (0xFFA74800)
YUV	92.1970, -45.4531, 65.6022
Hunter-Lab	35.8472, 28.1612, 22.5818

Details

The XYZ color **18.2537, 12.8502, 1.5183** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.0670, 10.9740, 38.0938**, and the grayscale version is **10.3075, 10.8443, 11.8094**.

A 20% lighter version of the original color is **40.1099, 31.1095, 7.6321**, and **6.3503, 3.6996, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **18.2538, 12.8506, 1.5183**, and if you desaturate by 10%, it is **19.0152, 14.2152, 2.2599**.

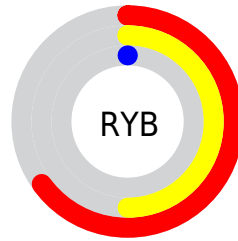
Distribution



Red (65%)

Green (28%)

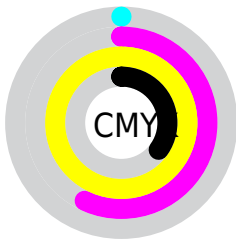
Blue (0%)



Red (65%)

Yellow (50%)

Blue (0%)

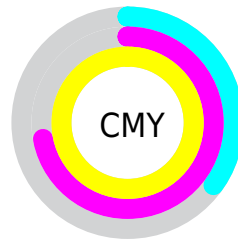


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2537, 12.8502, 1.5183 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 18.2537, 12.8502, 1.5183 by changing the saturation by 10% instead.


 18.2537, 12.8502,
1.5183


 18.2537, 12.8502,
1.5183


 235.3152,
209.9554, 114.3812

 11.2331, 7.3255,
0.2315


 39.9959, 31.0344,
7.6763


 6.2923, 3.6665,
0.0000


 55.4481, 44.4627,
13.5545


 3.0659, 1.4888,
0.0000

 74.4416, 61.2942,
21.8569

 1.1887, 0.2808,
0.0000

 97.3417, 81.9135,
33.0021


 0.0974, 0.0000,
0.0000


 124.5137,
106.7048, 47.4086


 0.0000, 0.0000,
0.0000


 156.3231,


136.0527, 65.4949


 193.1351,
170.3414, 87.6796


 18.2537, 12.8502,
1.5183


 18.2537, 12.8502,
1.5183

 18.2538, 12.8506,
1.5183

 19.0152, 14.2152,
2.2599

 19.9579, 15.8105,
3.4686

 21.1199, 17.6581,
5.3246

 22.5198, 19.7711,
7.9087

 24.1740, 22.1617,
11.2895

■ 26.0971, 24.8409,
15.5277

■ 28.3023, 27.8192,
20.6780

■ 30.8020, 31.1062,
26.7903

■ 33.6078, 34.7115,
33.9112

Harmonies

Analogous

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



22.6574, 12.8502, 5.3584



18.2537, 12.8502, 1.5183



12.9428, 12.8502, 0.6673

Triad

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



18.2537, 12.8502, 1.5183



5.0943, 12.8502, 12.0423



16.6823, 12.8502, 54.3336

Complementary

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



18.2537, 12.8502, 1.5183



11.0670, 10.9740, 38.0938

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.



11.5126, 12.8502, 60.8291



18.2537, 12.8502, 1.5183



5.6038, 12.8502, 28.9186

Square

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



18.2537, 12.8502, 1.5183



6.0399, 12.8502, 3.6972



7.6790, 12.8502, 49.4300



21.5950, 12.8502, 35.0635

Rectangle

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



18.2537, 12.8502, 1.5183



9.8833, 12.8502, 0.8185



7.6790, 12.8502, 49.4300



14.8845, 12.8502, 58.4637

Sweetspot

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



18.2540, 12.8509, 1.5185



50.4591, 49.5176, 36.4862



18.1135, 9.0864, 12.2109



10.9221, 10.5851, 7.2910



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.



18.2540, 12.8509, 1.5185



32.4953, 22.6221, 2.6538



27.3411, 31.0251, 4.5475



7.7872, 8.0544, 7.9335



14.0150, 9.9273, 1.1775



0.3922, 0.3439, 0.0457

Inverse Universe

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



11.0670, 10.9740, 38.0938



19.6116, 19.2362, 68.1546



7.1310, 3.1020, 36.7818



7.4726, 7.9821, 9.5652



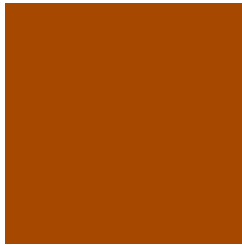
8.5179, 8.4960, 29.1664



0.2566, 0.3054, 0.7261

Previews

White Background



This preview shows how the XYZ color 18.2537, 12.8502, 1.5183 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 18.2537, 12.8502, 1.5183 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 18.2537, 12.8502, 1.5183

Background



This preview shows how black text looks on a background with the XYZ color 18.2537, 12.8502, 1.5183.



This preview shows how white text looks on a background with the XYZ color 18.2537, 12.8502,

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

18.2537, 12.8502, 1.5183

Protanopia

11.7843, 13.1176, 2.4011

Deuteranopia

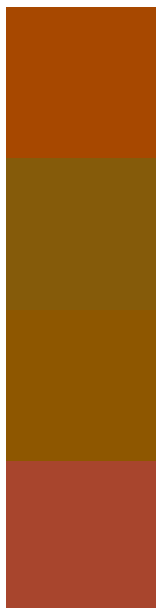
13.0850, 12.9549, 1.8109



Tritanopia

19.5067, 12.9043, 7.4239

Trichromacy



Original Color

18.2537, 12.8502, 1.5183

Protanomaly

13.4687, 12.4906, 1.9882

Deuteranomaly

14.5635, 12.5672, 1.6581

Tritanomaly

18.7502, 12.7705, 3.9593

Monochromacy



Original Color

18.2537, 12.8502, 1.5183

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.6457, 10.7347, 5.5959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2537, 12.8502, 1.5183 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(167, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.2537, 12.8502, 1.5183 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(167, 72, 0) }
```


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

```
.border{ border-color:rgb(167, 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(167, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.2537, 12.8502, 1.5183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 72, 0) }
```

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

```
.background{ background-color: rgb(167, 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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