

Converting Colors

XYZ(18.5310, 13.0899, 1.5499)

Have a look what the booklet for
XYZ(18.5310, 13.0899, 1.5499)
contains.

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Color

**XYZ(18.5310, 13.0899,
1.5499)**

Conversions

Conversions Part 1

Format	Color
Hex	A84900
RGB	168, 73, 0
RGB Percent	66%, 29%, 0%
CMY	0.3412, 0.7137, 1.0000
CMYK	0.00, 0.57, 1.00, 0.34
HSL	26°, 100%, 33%
HSV	26°, 100%, 66%
XYZ	18.5310, 13.0899, 1.5499
YIQ	93.0830, 80.0530, -2.5630

Conversions

Conversions Part 2

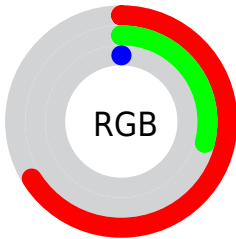
Format	Color
RYB	168, 129, 0
Decimal	11028736
CIELab	42.90, 36.06, 53.08
CIELCh	43, 64.166, 55.812
Yxy	13.0899, 0.5587, 0.3946
Android (android.graphics.Color)	4289218816 (0xFFA84900)
YUV	93.0830, -45.8899, 65.7022
Hunter-Lab	36.1800, 28.1109, 22.7861

Details

The XYZ color **18.5310, 13.0899, 1.5499** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.1597, 11.0109, 38.5827**, and the grayscale version is **10.5152, 11.0628, 12.0474**.

A 20% lighter version of the original color is **40.5793, 31.5337, 7.8187**, and **6.4907, 3.8009, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **18.5312, 13.0904, 1.5500**, and if you desaturate by 10%, it is **19.3035, 14.4757, 2.2989**.

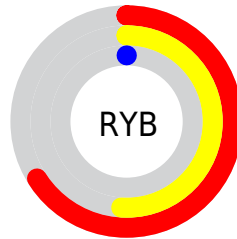
Distribution



Red (66%)

Green (29%)

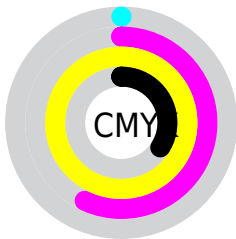
Blue (0%)



Red (66%)

Yellow (51%)

Blue (0%)

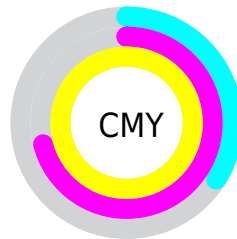


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5310, 13.0899, 1.5499 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 18.5310, 13.0899, 1.5499 by changing the saturation by 10% instead.


 18.5310, 13.0899,
1.5499


 18.5310, 13.0899,
1.5499


 236.8354,
211.4930, 114.9419


 11.4339, 7.4905,
0.2547


 40.4631, 31.4652,
7.7691


 6.4289, 3.7707,
0.0000


 56.0288, 45.0099,
13.6900

 3.1507, 1.5461,
0.0000

 75.1481, 61.9717,
22.0432

 1.2340, 0.3209,
0.0000

 98.1863, 82.7352,
33.2472

 0.1329, 0.0000,
0.0000


 125.5087,
107.6847, 47.7205


 0.0000, 0.0000,
0.0000


 157.4808,


137.2046, 65.8817


 194.4679,
171.6792, 88.1493


 18.5310, 13.0899,
1.5499


 18.5310, 13.0899,
1.5499


 18.5312, 13.0904,
1.5500

 19.3035, 14.4757,
2.2989

 20.2589, 16.0931,
3.5220

 21.4356, 17.9642,
5.4010

 22.8524, 20.1022,
8.0178

 24.5258, 22.5193,
11.4420

■ 26.4707, 25.2265,
15.7353

■ 28.7003, 28.2344,
20.9530

■ 31.2273, 31.5528,
27.1461

■ 34.0633, 35.1909,
34.3615

Harmonies

Analogous

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



23.0130, 13.0899, 5.4284



18.5310, 13.0899, 1.5499



13.1433, 13.0899, 0.6969

Triad

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



18.5310, 13.0899, 1.5499



5.2053, 13.0899, 12.3693



17.0179, 13.0899, 55.0333

Complementary

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



18.5310, 13.0899, 1.5499



11.1597, 11.0109, 38.5827

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.



11.7653, 13.0899, 61.7462



18.5310, 13.0899, 1.5499



5.7348, 13.0899, 29.5503

Square

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



18.5310, 13.0899, 1.5499



6.1557, 13.0899, 3.8235



7.8578, 13.0899, 50.3187



21.9905, 13.0899, 35.4624

Rectangle

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



18.5310, 13.0899, 1.5499



10.0440, 13.0899, 0.8546



7.8578, 13.0899, 50.3187



15.1932, 13.0899, 59.2553

Sweetspot

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



18.5313, 13.0906, 1.5501



51.8440, 50.9199, 37.4544



18.2231, 9.1547, 11.6810



10.9329, 10.6069, 7.2946



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.



18.5313, 13.0906, 1.5501



33.4228, 23.3447, 2.7444



28.1715, 32.3710, 4.7635



7.7892, 8.0585, 7.9342



14.0433, 9.9839, 1.1869



0.3929, 0.3454, 0.0460

Inverse Universe

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



11.1597, 11.0109, 38.5827



20.0338, 19.5463, 69.9420



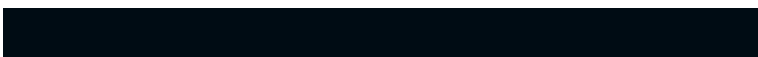
7.1899, 3.0712, 37.2594



7.4705, 7.9779, 9.5645



8.4791, 8.4183, 29.1535



0.2558, 0.3038, 0.7258

Previews

White Background



This preview shows how the XYZ color 18.5310, 13.0899, 1.5499 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 18.5310, 13.0899, 1.5499 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 18.5310, 13.0899, 1.5499

Background



This preview shows how black text looks on a background with the XYZ color 18.5310, 13.0899, 1.5499.



This preview shows how white text looks on a background with the XYZ color 18.5310, 13.0899,

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

18.5310, 13.0899, 1.5499

Protanopia

11.9151, 13.1850, 2.4072

Deuteranopia

13.3280, 13.2165, 1.8486



Tritanopia

19.8144, 13.1482, 7.6244

Trichromacy



Original Color

18.5310, 13.0899, 1.5499

Protanomaly

13.6274, 12.5724, 1.9956

Deuteranomaly

14.8174, 12.8191, 1.6934

Tritanomaly

19.0455, 13.0126, 4.0926

Monochromacy



Original Color

18.5310, 13.0899, 1.5499

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.8629, 10.9644, 5.6288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5310, 13.0899, 1.5499 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(168, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 73, 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(168, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 73, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.5310, 13.0899, 1.5499 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(168, 73, 0) }
```


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

```
.border{ border-color:rgb(168, 73, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(168, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 73, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5310, 13.0899, 1.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 73, 0) }
```

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

```
.background{ background-color: rgb(168, 73,  
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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