

Converting Colors

XYZ(18.4850, 13.2153, 0.8927)

Have a look what the booklet for
XYZ(18.4850, 13.2153, 0.8927)
contains.

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Color

**XYZ(18.5972, 13.2224,
1.5720)**

Conversions

Conversions Part 1

Format	Color
Hex	A84A00
RGB	168, 74, 0
RGB Percent	66%, 29%, 0%
CMY	0.3412, 0.7098, 1.0000
CMYK	0.00, 0.56, 1.00, 0.34
HSL	26°, 100%, 33%
HSV	26°, 100%, 66%
XYZ	18.5972, 13.2224, 1.5720
YIQ	93.6700, 79.7780, -3.0860

Conversions

Conversions Part 2

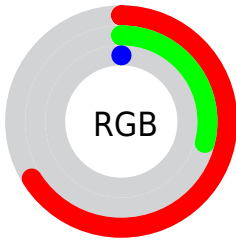
Format	Color
R_{YB}	168, 132, 0
Decimal	11028992
CIE Lab	43.10, 35.55, 53.19
CIE LCh	43, 63.975, 56.246
Yxy	13.2224, 0.5569, 0.3960
Android (android.graphics.Color)	4289219072 (0xFFA84A00)
YUV	93.6700, -46.1793, 65.1874
Hunter-Lab	36.3626, 27.6570, 22.8907

Details

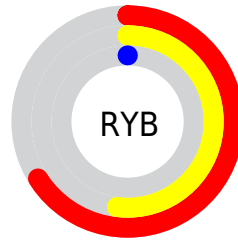
The XYZ color **18.5972, 13.2224, 1.5720** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.0702, 10.8319, 38.5527**, and the grayscale version is **10.6543, 11.2091, 12.2067**.

A 20% lighter version of the original color is **40.7053, 31.7856, 7.8607**, and **6.5110, 3.8414, 0.3983** is the 20% darker color. If you saturate the color by 10%, you get **18.5973, 13.2229, 1.5721**, and if you desaturate by 10%, it is **19.3723, 14.6134, 2.3219**.

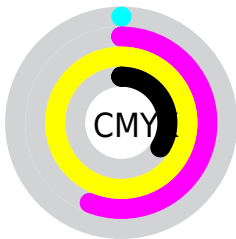
Distribution



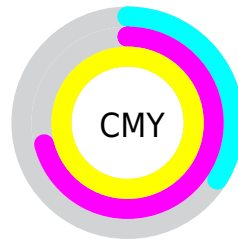
- Red (66%)
- Green (29%)
- Blue (0%)



- Red (66%)
- Yellow (52%)
- Blue (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (100%)
- Black (34%)



- Cyan (34%)
- Magenta (71%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5972, 13.2224, 1.5720 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 18.5972, 13.2224, 1.5720 by changing the saturation by 10% instead.

18.5972, 13.2224,
1.5720

18.5972, 13.2224,
1.5720

237.1970,
212.3381, 115.3306

11.4819, 7.5819,
0.2707

40.5745, 31.7028,
7.8337

6.4616, 3.8286,
0.0000

56.1672, 45.3114,
13.7842

3.1710, 1.5781,
0.0000

75.3163, 62.3448,
22.1726

1.2449, 0.3428,
0.0000

98.3874, 83.1875,
33.4173


0.1413, 0.0000,
0.0000


125.7456,
108.2237, 47.9369


0.0000, 0.0000,
0.0000


157.7563,


137.8380, 66.1499


 194.7850,
172.4147, 88.4750


 18.5972, 13.2224,
1.5720


 18.5972, 13.2224,
1.5720


 18.5973, 13.2229,
1.5721

 19.3723, 14.6134,
2.3219

 20.3286, 16.2325,
3.5453

 21.5042, 18.1015,
5.4239

 22.9181, 20.2336,
8.0397

 24.5864, 22.6405,
11.4623

■ 26.5239, 25.3332,
15.7531

■ 28.7440, 28.3218,
20.9677

■ 31.2589, 31.6161,
27.1567

■ 34.0804, 35.2251,
34.3673

Harmonies

Analogous

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



23.1171, 13.2224, 5.4262



18.5972, 13.2224, 1.5720



13.1978, 13.2224, 0.7317

Triad

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



18.5972, 13.2224, 1.5720



5.2889, 13.2224, 12.6932



17.2372, 13.2224, 54.9886

Complementary

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



18.5972, 13.2224, 1.5720



11.0702, 10.8319, 38.5527

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.



11.9576, 13.2224, 61.9526



18.5972, 13.2224, 1.5720



5.8441, 13.2224, 30.0274

Square

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



18.5972, 13.2224, 1.5720



6.2242, 13.2224, 3.9744



8.0062, 13.2224, 50.7629



22.1987, 13.2224, 35.3332

Rectangle

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



18.5972, 13.2224, 1.5720



10.1002, 13.2224, 0.9007



8.0062, 13.2224, 50.7629



15.4070, 13.2224, 59.2812

Sweetspot

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



18.5975, 13.2231, 1.5722



51.9244, 51.0807, 37.4812



18.2230, 9.1547, 11.6810



10.9521, 10.6452, 7.3010



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.



18.5975, 13.2231, 1.5722



33.5418, 23.5828, 2.7841



28.1714, 32.3709, 4.7635



7.7929, 8.0658, 7.9354



14.0936, 10.0845, 1.2037



0.3942, 0.3480, 0.0464

Inverse Universe

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



11.0702, 10.8319, 38.5527



19.8712, 19.2212, 69.8878



7.1899, 3.0712, 37.2592



7.4668, 7.9705, 9.5633



8.4115, 8.2832, 29.1310



0.2543, 0.3009, 0.7253

Previews

White Background



This preview shows how the XYZ color 18.5972, 13.2224, 1.5720 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 18.5972, 13.2224, 1.5720 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 18.5972, 13.2224, 1.5720

Background



This preview shows how black text looks on a background with the XYZ color 18.5972, 13.2224, 1.5720.



This preview shows how white text looks on a background with the XYZ color 18.5972, 13.2224,

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

18.5972, 13.2224, 1.5720

Protanopia

12.1462, 13.4509, 2.4463

Deuteranopia

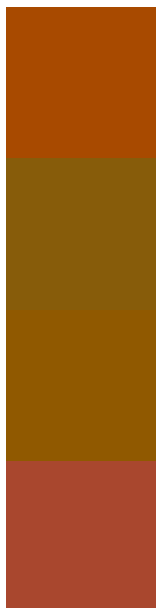
13.4806, 13.2952, 1.8557



Tritanopia

19.9083, 13.2833, 7.8180

Trichromacy



Original Color

18.5972, 13.2224, 1.5720

Protanomaly

13.8736, 12.8271, 2.0318

Deuteranomaly

15.0740, 13.0740, 1.7291

Tritanomaly

19.1086, 13.1387, 4.1137

Monochromacy



Original Color

18.5972, 13.2224, 1.5720

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.1090, 11.2076, 5.8000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5972, 13.2224, 1.5720 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, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.5972, 13.2224, 1.5720 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, 74, 0) }
```


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

```
.border{ border-color:rgb(168, 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(168, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5972, 13.2224, 1.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 74, 0) }
```

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

```
.background{ background-color: rgb(168, 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](#).

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