

Converting Colors

XYZ(18.7485, 12.6215, 1.4472)

Have a look what the booklet for
XYZ(18.7485, 12.6215, 1.4472)
contains.

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Color

**XYZ(18.8017, 12.6722,
1.4550)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4300
RGB	171, 67, 0
RGB Percent	67%, 26%, 0%
CMY	0.3294, 0.7372, 1.0000
CMYK	0.00, 0.61, 1.00, 0.33
HSL	24°, 100%, 34%
HSV	24°, 100%, 67%
XYZ	18.8017, 12.6722, 1.4550
YIQ	90.4580, 83.4910, 1.2110

Conversions

Conversions Part 2

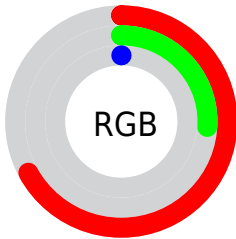
Format	Color
R_{YB}	171, 110, 0
Decimal	11223808
CIE Lab	42.27, 40.19, 53.00
CIE LCh	42, 66.512, 52.825
Yxy	12.6722, 0.5710, 0.3848
Android (android.graphics.Color)	4289413888 (0xFFAB4300)
YUV	90.4580, -44.5958, 70.6353
Hunter-Lab	35.5980, 31.9812, 22.4953

Details

The XYZ color **18.8017, 12.6722, 1.4550** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.3004, 12.8398, 40.3577**, and the grayscale version is **9.9061, 10.4220, 11.3495**.

A 20% lighter version of the original color is **40.7965, 30.5660, 7.4910**, and **6.6870, 3.6425, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **18.8019, 12.6728, 1.4551**, and if you desaturate by 10%, it is **19.5788, 14.0634, 2.2171**.

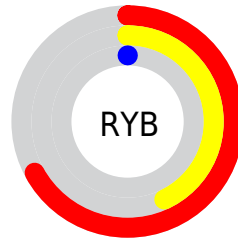
Distribution



Red (67%)

Green (26%)

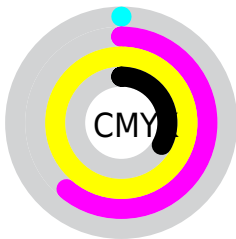
Blue (0%)



Red (67%)

Yellow (43%)

Blue (0%)

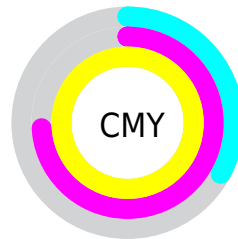


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8017, 12.6722, 1.4550 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 18.8017, 12.6722, 1.4550 by changing the saturation by 10% instead.


 18.8017, 12.6722,
1.4550


 18.8017, 12.6722,
1.4550


 238.3110,
208.8060, 113.2398


 11.6302, 7.2032,
0.1841


 40.9182, 30.7136,
7.4887

 6.5628, 3.5895,
0.0000


 56.5940, 44.0548,
13.2801


 3.2341, 1.4467,
0.0000

 75.8352, 60.7889,
21.4792

 1.2787, 0.2508,
0.0000

 99.0073, 81.3002,
32.5046

 0.1672, 0.0000,
0.0000

 126.4756,
105.9732, 46.7748

 0.0000, 0.0000,
0.0000

 158.6054,

135.1922, 64.7084

195.7621,
169.3417, 86.7239

18.8017, 12.6722,
1.4550

18.8017, 12.6722,
1.4550

18.8019, 12.6728,
1.4551

19.5788, 14.0634,
2.2171

20.5598, 15.7220,
3.4797

21.7855, 17.6732,
5.4300

23.2766, 19.9331,
8.1540

25.0514, 22.5162,
11.7249

■ 27.1261, 25.4360,
16.2073

■ 29.5157, 28.7051,
21.6595

■ 32.2341, 32.3354,
28.1347

■ 35.2942, 36.3382,
35.6825

Harmonies

Analogous

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



23.1930, 12.6722, 5.6632



18.8017, 12.6722, 1.4550



13.2797, 12.6722, 0.4810

Triad

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



18.8017, 12.6722, 1.4550



4.8262, 12.6722, 10.6501



16.1512, 12.6722, 57.6094

Complementary

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



18.8017, 12.6722, 1.4550



12.3004, 12.8398, 40.3577

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.



10.8884, 12.6722, 62.7641



18.8017, 12.6722, 1.4550



5.2021, 12.6722, 27.3938

Square

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



18.8017, 12.6722, 1.4550



5.9154, 12.6722, 2.9793



7.1381, 12.6722, 49.1817



21.3918, 12.6722, 37.8673

Rectangle

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



18.8017, 12.6722, 1.4550



10.0428, 12.6722, 0.5606



7.1381, 12.6722, 49.1817



14.2961, 12.6722, 61.4850

Sweetspot

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



18.8020, 12.6729, 1.4552



52.6196, 51.0826, 38.2270



19.3675, 9.6871, 14.3353



11.3309, 10.8430, 7.5938



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.8020, 12.6729, 1.4552



33.4809, 22.3111, 2.5418



27.8690, 30.8070, 4.4776



8.2530, 8.5109, 8.4212



14.2222, 9.6499, 1.1130



0.4498, 0.3768, 0.0490

Inverse Universe

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



12.3004, 12.8398, 40.3577



21.8174, 22.5713, 72.2087



7.5999, 3.4389, 38.7909



7.9689, 8.5371, 10.1805



9.3250, 9.7839, 30.4415



0.3106, 0.3746, 0.8639

Previews

White Background



This preview shows how the XYZ color 18.8017, 12.6722, 1.4550 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 18.8017, 12.6722, 1.4550 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 18.8017, 12.6722, 1.4550

Background



This preview shows how black text looks on a background with the XYZ color 18.8017, 12.6722, 1.4550.



This preview shows how white text looks on a background with the XYZ color 18.8017, 12.6722,

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

18.8017, 12.6722, 1.4550

Protanopia

11.5649, 12.8585, 2.4027

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

19.7193, 12.6093, 6.5488

Trichromacy



Original Color

18.8017, 12.6722, 1.4550

Protanomaly

13.4643, 12.2373, 1.9690

Deuteranomaly

14.5762, 12.3366, 1.6130

Tritanomaly

19.2646, 12.6046, 3.6081

Monochromacy



Original Color

18.8017, 12.6722, 1.4550

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.3636, 10.2519, 5.2508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8017, 12.6722, 1.4550 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(171, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 67, 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(171, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8017, 12.6722, 1.4550 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(171, 67, 0) }
```


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

```
.border{ border-color:rgb(171, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8017, 12.6722, 1.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 67, 0) }
```

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

```
.background{ background-color: rgb(171, 67,  
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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