

Converting Colors

XYZ(18.6883, 12.6161, 0.0000)

Have a look what the booklet for
XYZ(18.6883, 12.6161, 0.0000)
contains.

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Color

**XYZ(19.0204, 12.7850,
1.4653)**

Conversions

Conversions Part 1

Format	Color
Hex	AC4300
RGB	172, 67, 0
RGB Percent	67%, 26%, 0%
CMY	0.3255, 0.7372, 1.0000
CMYK	0.00, 0.61, 1.00, 0.33
HSL	23°, 100%, 34%
HSV	23°, 100%, 67%
XYZ	19.0204, 12.7850, 1.4653
YIQ	90.7570, 84.0870, 1.4230

Conversions

Conversions Part 2

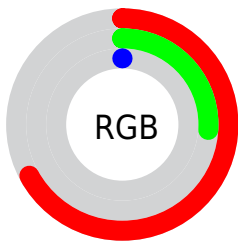
Format	Color
RYB	172, 110, 0
Decimal	11289344
CIELab	42.44, 40.57, 53.18
CIElCh	42, 66.891, 52.660
Yxy	12.7850, 0.5717, 0.3843
Android (android.graphics.Color)	4289479424 (0xFFAC4300)
YUV	90.7570, -44.7432, 71.2501
Hunter-Lab	35.7561, 32.3795, 22.5996

Details

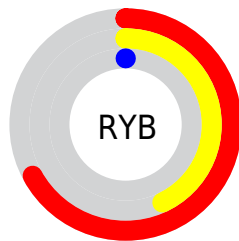
The XYZ color **19.0204, 12.7850, 1.4653** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.4975, 13.0809, 40.8955**, and the grayscale version is **9.9744, 10.4938, 11.4278**.

A 20% lighter version of the original color is **41.2423, 30.9716, 7.5458**, and **6.6870, 3.6425, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **19.0205, 12.7854, 1.4653**, and if you desaturate by 10%, it is **19.8053, 14.1906, 2.2339**.

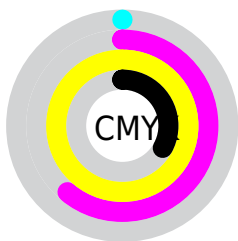
Distribution



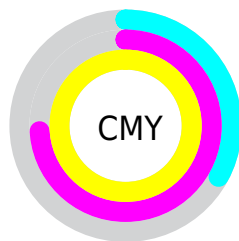
- Red (67%)
- Green (26%)
- Blue (0%)



- 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 19.0204, 12.7850, 1.4653 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 19.0204, 12.7850, 1.4653 by changing the saturation by 10% instead.


 19.0204, 12.7850,
1.4653


 19.0204, 12.7850,
1.4653


 239.4973,
209.5351, 113.4272


 11.7891, 7.2807,
0.1919


 41.2852, 30.9170,
7.5194


 6.6714, 3.6382,
0.0000


 57.0494, 44.3134,
13.3250


 3.3020, 1.4733,
0.0000


 76.3886, 61.1093,
21.5411

 1.3154, 0.2698,
0.0000

 99.6682, 81.6892,
32.5862

 0.1947, 0.0000,
0.0000


 127.2535,
106.4372, 46.8788


 0.0000, 0.0000,
0.0000


 159.5099,


135.7380, 64.8375


 196.8027,
169.9758, 86.8808


 19.0204, 12.7850,
1.4653


 19.0204, 12.7850,
1.4653


 19.0205, 12.7854,
1.4653

 19.8053, 14.1906,
2.2339

 20.7979, 15.8688,
3.5109

 22.0391, 17.8452,
5.4851

 23.5503, 20.1361,
8.2437

 25.3499, 22.7565,
11.8612

■ 27.4546, 25.7202,
16.4030

■ 29.8796, 29.0400,
21.9284

■ 32.6389, 32.7281,
28.4913

■ 35.7457, 36.7961,
36.1421

Harmonies

Analogous

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



23.4538, 12.7850, 5.7381



19.0204, 12.7850, 1.4653



13.4310, 12.7850, 0.4771

Triad

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



19.0204, 12.7850, 1.4653



4.8569, 12.7850, 10.6705



16.2762, 12.7850, 58.3831

Complementary

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



19.0204, 12.7850, 1.4653



12.4975, 13.0809, 40.8955

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.



10.9564, 12.7850, 63.5011



19.0204, 12.7850, 1.4653



5.2284, 12.7850, 27.5678

Square

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



19.0204, 12.7850, 1.4653



5.9655, 12.7850, 2.9667



7.1748, 12.7850, 49.6472



21.5883, 12.7850, 38.4187

Rectangle

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



19.0204, 12.7850, 1.4653



10.1511, 12.7850, 0.5525



7.1748, 12.7850, 49.6472



14.3995, 12.7850, 62.2798

Sweetspot

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



19.0207, 12.7857, 1.4655



53.9538, 52.3415, 39.1934



19.6182, 9.8127, 14.5142



11.3234, 10.8280, 7.5913



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.



19.0207, 12.7857, 1.4655



34.3068, 22.7956, 2.5918



28.2305, 31.2053, 4.5354



8.2516, 8.5079, 8.4207



14.2046, 9.6148, 1.1072



0.4492, 0.3757, 0.0488

Inverse Universe

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



12.4975, 13.0809, 40.8955



22.4519, 23.2897, 74.1178



7.6978, 3.4813, 39.2955



7.9704, 8.5402, 10.1810



9.3546, 9.8431, 30.4514



0.3113, 0.3760, 0.8642

Previews

White Background



This preview shows how the XYZ color 19.0204, 12.7850, 1.4653 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 19.0204, 12.7850, 1.4653 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 19.0204, 12.7850, 1.4653

Background



This preview shows how black text looks on a background with the XYZ color 19.0204, 12.7850, 1.4653.



This preview shows how white text looks on a background with the XYZ color 19.0204, 12.7850,

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

19.0204, 12.7850, 1.4653

Protanopia

11.6943, 12.9252, 2.4088

Tritanopia

19.9396, 12.7228, 6.5591

Trichromacy



Original Color

19.0204, 12.7850, 1.4653

Protanomaly

13.6245, 12.3198, 1.9765

Tritanomaly

19.4849, 12.7182, 3.6184

Monochromacy



Original Color

19.0204, 12.7850, 1.4653

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.5267, 10.3331, 5.3900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0204, 12.7850, 1.4653 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(172, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.0204, 12.7850, 1.4653 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(172, 67, 0) }
```

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

```
.border{ border-color:rgb(172, 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(172, 67, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 67, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 19.0204, 12.7850, 1.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 67, 0) }
```

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

```
.background{ background-color: rgb(172, 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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