

Converting Colors

XYZ(18.5354, 12.0352, 1.5010)

Have a look what the booklet for
XYZ(18.5354, 12.0352, 1.5010)
contains.

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Color

**XYZ(18.4907, 12.0064,
1.4865)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3D05
RGB	171, 61, 5
RGB Percent	67%, 24%, 2%
CMY	0.3294, 0.7608, 0.9804
CMYK	0.00, 0.64, 0.97, 0.33
HSL	20°, 94%, 35%
HSV	20°, 97%, 67%
XYZ	18.4907, 12.0064, 1.4865
YIQ	87.5060, 83.5360, 5.9040

Conversions

Conversions Part 2

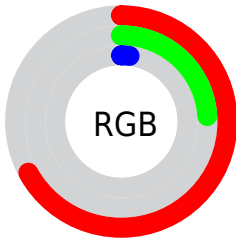
Format	Color
R _Y B	171, 90, 5
Decimal	11222277
CIE Lab	41.23, 43.05, 50.87
CIE LCh	41, 66.640, 49.755
Yxy	12.0064, 0.5781, 0.3754
Android (android.graphics.Color)	4289412357 (0xFFAB3D05)
YUV	87.5060, -40.6755, 73.2242
Hunter-Lab	34.6503, 34.6165, 21.7116

Details

The XYZ color **18.4907, 12.0064, 1.4865** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.5433, 15.2327, 40.7540**, and the grayscale version is **9.2418, 9.7231, 10.5885**.

A 20% lighter version of the original color is **40.2731, 29.4394, 7.5627**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **18.2920, 11.6530, 1.2852**, and if you desaturate by 10%, it is **19.2795, 13.3948, 2.3336**.

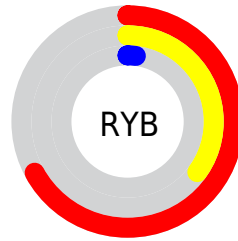
Distribution



Red (67%)

Green (24%)

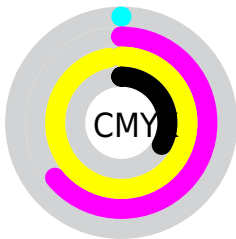
Blue (2%)



Red (67%)

Yellow (35%)

Blue (2%)

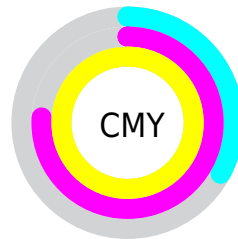


Cyan (0%)

Magenta (64%)

Yellow (97%)

Black (33%)



Cyan (33%)


Magenta (76%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4907, 12.0064, 1.4865 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 18.4907, 12.0064, 1.4865 by changing the saturation by 10% instead.


 18.4907, 12.0064,
1.4865


 18.4907, 12.0064,
1.4865


 236.6150,
204.4477, 113.8109


 11.4047, 6.7480,
0.2078


 40.3953, 29.5068,
7.5823


 6.4090, 3.3050,
0.0000


 55.9445, 42.5176,
13.4172


 3.1383, 1.2930,
0.0000

 75.0456, 58.8813,
21.6680

 1.2273, 0.1358,
0.0000

 98.0637, 78.9823,
32.7533

 0.1278, 0.0000,
0.0000


 125.3644,
103.2051, 47.0918


 0.0000, 0.0000,
0.0000


 157.3129,


131.9340, 65.1018


 194.2747,
165.5534, 87.2020


 18.4907, 12.0064,
1.4865


 18.4907, 12.0064,
1.4865


 18.2920, 11.6530,
1.2852

 19.2795, 13.3948,
2.3336

 20.3087, 15.0950,
3.7804

 21.6078, 17.1307,
5.9480

 23.1985, 19.5205,
8.9187

 25.0999, 22.2818,
12.7633

■ 27.3292, 25.4304,
17.5449

■ 29.9023, 28.9814,
23.3205

■ 32.8340, 32.9489,
30.1427

■ 36.1382, 37.3462,
38.0603

Harmonies

Analogous

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



22.5173, 12.0064, 6.0080



18.4907, 12.0064, 1.4865



13.1370, 12.0064, 0.3847

Triad

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



18.4907, 12.0064, 1.4865



4.5154, 12.0064, 8.9052



14.8321, 12.0064, 57.2068

Complementary

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



18.4907, 12.0064, 1.4865



13.5433, 15.2327, 40.7540

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.



9.8445, 12.0064, 60.3021



18.4907, 12.0064, 1.4865



4.7327, 12.0064, 24.2257

Square

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



18.4907, 12.0064, 1.4865



5.7077, 12.0064, 2.3410



6.4186, 12.0064, 45.5061



20.0274, 12.0064, 38.7392

Rectangle

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



18.4907, 12.0064, 1.4865



9.9152, 12.0064, 0.3778



6.4186, 12.0064, 45.5061



13.0517, 12.0064, 60.4110

Sweetspot

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



18.4910, 12.0071, 1.4867



52.3722, 50.2862, 39.0745



19.9817, 10.0197, 17.3025



11.2500, 10.6222, 7.7485



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.



18.4910, 12.0071, 1.4867



32.5841, 20.5176, 2.2429



26.6943, 28.4139, 4.2212



8.2178, 8.4405, 8.4094



13.8340, 8.8735, 0.9836



0.4362, 0.3497, 0.0445

Inverse Universe

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



13.5433, 15.2327, 40.7540



23.5986, 26.1337, 72.8024



7.9479, 4.0420, 38.8889



8.0053, 8.6099, 10.1927



10.0689, 11.2716, 30.6895



0.3279, 0.4092, 0.8697

Previews

White Background



This preview shows how the XYZ color 18.4907, 12.0064, 1.4865 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 18.4907, 12.0064, 1.4865 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 18.4907, 12.0064, 1.4865

Background



This preview shows how black text looks on a background with the XYZ color 18.4907, 12.0064, 1.4865.



This preview shows how white text looks on a background with the XYZ color 18.4907, 12.0064,

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

18.4907, 12.0064, 1.4865

Protanopia

11.0324, 12.1585, 2.3376

Deuteranopia

12.2265, 12.1138, 1.6938



Tritanopia

19.2920, 12.0232, 5.5789

Trichromacy



Original Color

18.4907, 12.0064, 1.4865

Protanomaly

12.9940, 11.5126, 1.9181

Deuteranomaly

13.9379, 11.5520, 1.5526

Tritanomaly

18.9093, 11.9500, 3.3174

Monochromacy



Original Color

18.4907, 12.0064, 1.4865

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.9593, 9.6058, 5.2795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4907, 12.0064, 1.4865 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, 61, 5)` looks like.

```
.text, #text, p{  
    color:rgb(171, 61, 5)  
}
```

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, 61, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 61, 5) }
```

Border

The CSS property to change the border of an element to XYZ 18.4907, 12.0064, 1.4865 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, 61, 5) }
```


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

```
.border{ border-color:rgb(171, 61, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 61, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 61, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 61, 5);  
box-shadow:4px 4px 4px 4px rgb(171, 61, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4907, 12.0064, 1.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 61, 5) }
```

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

```
.background{ background-color: rgb(171, 61,  
5) }
```

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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