

Converting Colors

XYZ(18.4202, 12.3682, 0.0000)

Have a look what the booklet for
XYZ(18.4202, 12.3682, 0.0000)
contains.

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Color

**XYZ(18.6849, 12.4385,
1.4161)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4100
RGB	171, 65, 0
RGB Percent	67%, 25%, 0%
CMY	0.3294, 0.7451, 1.0000
CMYK	0.00, 0.62, 1.00, 0.33
HSL	23°, 100%, 34%
HSV	23°, 100%, 67%
XYZ	18.6849, 12.4385, 1.4161
YIQ	89.2840, 84.0410, 2.2570

Conversions

Conversions Part 2

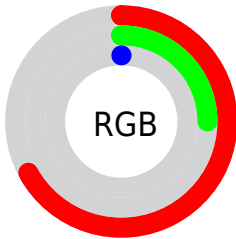
Format	Color
RYB	171, 105, 0
Decimal	11223296
CIELab	41.90, 41.14, 52.80
CIELCh	42, 66.936, 52.077
Yxy	12.4385, 0.5742, 0.3823
Android (android.graphics.Color)	4289413376 (0xFFAB4100)
YUV	89.2840, -44.0170, 71.6649
Hunter-Lab	35.2683, 32.8487, 22.3072

Details

The XYZ color **18.6849, 12.4385, 1.4161** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.5044, 13.2477, 40.4258**, and the grayscale version is **9.6407, 10.1428, 11.0455**.

A 20% lighter version of the original color is **40.6552, 30.3221, 7.3244**, and **6.5172, 3.4887, 0.3299** is the 20% darker color. If you saturate the color by 10%, you get **18.6850, 12.4389, 1.4161**, and if you desaturate by 10%, it is **19.4538, 13.8134, 2.1755**.

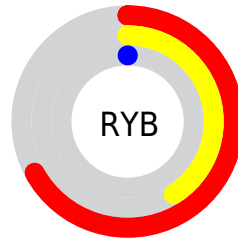
Distribution



Red (67%)

Green (25%)

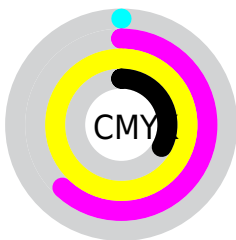
Blue (0%)



Red (67%)

Yellow (41%)

Blue (0%)

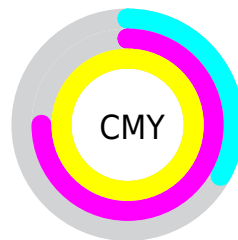


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6849, 12.4385, 1.4161 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 18.6849, 12.4385, 1.4161 by changing the saturation by 10% instead.


 18.6849, 12.4385,
1.4161


 18.6849, 12.4385,
1.4161


 237.6753,
207.2870, 112.5258


 11.5455, 7.0431,
0.1542


 40.7220, 30.2913,
7.3723


 6.5050, 3.4890,
0.0000


 56.3503, 43.5174,
13.1094

 3.1980, 1.3921,
0.0000

 75.5390, 60.1225,
21.2439

 1.2593, 0.2109,
0.0000

 98.6535, 80.4910,
32.1943


 0.1525, 0.0000,
0.0000


 126.0589,
105.0073, 46.3791


 0.0000, 0.0000,
0.0000


 158.1208,


134.0559, 64.2170


 195.2045,
168.0210, 86.1263


 18.6849, 12.4385,
1.4161


 18.6849, 12.4385,
1.4161

 18.6850, 12.4389,
1.4161

 19.4538, 13.8134,
2.1755

 20.4304, 15.4630,
3.4367

 21.6554, 17.4130,
5.3868

 23.1502, 19.6801,
8.1121

 24.9332, 22.2796,
11.6858

■ 27.0209, 25.2255,
16.1727

■ 29.4287, 28.5309,
21.6310

■ 32.1706, 32.2082,
28.1142

■ 35.2598, 36.2691,
35.6719

Harmonies

Analogous

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



23.0089, 12.4385, 5.6681



18.6849, 12.4385, 1.4161



13.1826, 12.4385, 0.4161

Triad

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



18.6849, 12.4385, 1.4161



4.6823, 12.4385, 10.1249



15.7700, 12.4385, 57.7196

Complementary

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



18.6849, 12.4385, 1.4161



12.5044, 13.2477, 40.4258

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.



10.5592, 12.4385, 62.4080



18.6849, 12.4385, 1.4161



5.0171, 12.4385, 26.5791

Square

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



18.6849, 12.4385, 1.4161



5.7945, 12.4385, 2.7524



6.8871, 12.4385, 48.4013



21.0251, 12.4385, 38.1324

Rectangle

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



18.6849, 12.4385, 1.4161



9.9418, 12.4385, 0.4750



6.8871, 12.4385, 48.4013



13.9263, 12.4385, 61.4632

Sweetspot

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



18.6852, 12.4392, 1.4163



52.4612, 50.7658, 38.1742



19.5173, 9.7471, 15.1242



11.2924, 10.7660, 7.5810



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.



18.6852, 12.4392, 1.4163



33.2746, 21.8986, 2.4731



27.4158, 29.9005, 4.3265



8.2455, 8.4957, 8.4186



14.1333, 9.4721, 1.0834



0.4469, 0.3710, 0.0480

Inverse Universe

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



12.5044, 13.2477, 40.4258



22.1838, 23.3041, 72.3308



7.6532, 3.5453, 38.8088



7.9767, 8.5527, 10.1831



9.4783, 10.0905, 30.4926



0.3142, 0.3818, 0.8651

Previews

White Background



This preview shows how the XYZ color 18.6849, 12.4385, 1.4161 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 18.6849, 12.4385, 1.4161 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 18.6849, 12.4385, 1.4161

Background



This preview shows how black text looks on a background with the XYZ color 18.6849, 12.4385, 1.4161.



This preview shows how white text looks on a background with the XYZ color 18.6849, 12.4385,

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

18.6849, 12.4385, 1.4161

Protanopia

11.3404, 12.5996, 2.3646

Deuteranopia

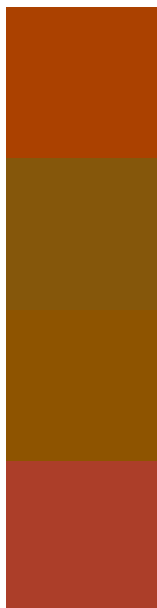
12.6964, 12.6200, 1.7667



Tritanopia

19.6074, 12.4783, 6.2256

Trichromacy



Original Color

18.6849, 12.4385, 1.4161

Protanomaly

13.1415, 11.8271, 1.9068

Deuteranomaly

14.3257, 12.0914, 1.5788

Tritanomaly

19.1361, 12.3760, 3.4780

Monochromacy



Original Color

18.6849, 12.4385, 1.4161

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.2149, 9.9547, 5.2012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6849, 12.4385, 1.4161 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, 65, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 65, 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, 65, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 65, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.6849, 12.4385, 1.4161 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, 65, 0) }
```


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

```
.border{ border-color:rgb(171, 65, 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, 65, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 65, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 65, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 65, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.6849, 12.4385, 1.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 65, 0) }
```

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

```
.background{ background-color: rgb(171, 65,  
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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