

Converting Colors

XYZ(15.1809, 15.3579, 1.6285)

Have a look what the booklet for
XYZ(15.1809, 15.3579, 1.6285)
contains.

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Color

**XYZ(15.2049, 15.3374,
2.1590)**

Conversions

Conversions Part 1

Format	Color
Hex	886900
RGB	136, 105, 0
RGB Percent	53%, 41%, 0%
CMY	0.4667, 0.5882, 1.0000
CMYK	0.00, 0.23, 1.00, 0.47
HSL	46°, 100%, 27%
HSV	46°, 100%, 53%
XYZ	15.2049, 15.3374, 2.1590
YIQ	102.2990, 52.1810, -26.0830

Conversions

Conversions Part 2

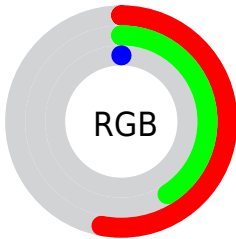
Format	Color
RYB	40, 136, 0
Decimal	8939776
CIELab	46.09, 3.78, 52.92
CIELCh	46, 53.059, 85.910
Yxy	15.3374, 0.4650, 0.4690
Android (android.graphics.Color)	4287129856 (0xFF886900)
YUV	102.2990, -50.4334, 29.5558
Hunter-Lab	39.1630, 0.7668, 24.1455

Details

The XYZ color **15.2049, 15.3374, 2.1590** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9339, 2.7576, 23.5645**, and the grayscale version is **12.8267, 13.4946, 14.6957**.

A 20% lighter version of the original color is **34.7231, 35.4513, 9.4276**, and **4.9064, 4.7754, 0.6632** is the 20% darker color. If you saturate the color by 10%, you get **15.2051, 15.3379, 2.1591**, and if you desaturate by 10%, it is **15.6033, 16.0118, 2.6697**.

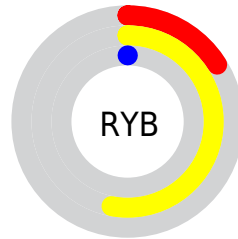
Distribution



Red (53%)

Green (41%)

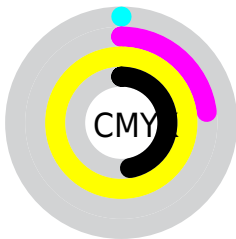
Blue (0%)



Red (16%)

Yellow (53%)

Blue (0%)

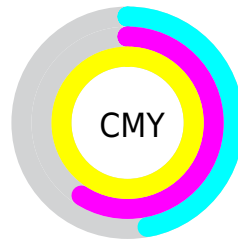


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2049, 15.3374, 2.1590 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 15.2049, 15.3374, 2.1590 by changing the saturation by 10% instead.

15.2049, 15.3374,
2.1590

15.2049, 15.3374,
2.1590

217.9670,
225.3994, 124.7988

9.0506, 9.0565,
0.6506

34.7809, 35.4440,
9.4711

4.8316, 4.7781,
0.0000

48.9334, 50.0385,
16.1446

2.1825, 2.1176,
0.0000

66.4825, 68.1730,
25.3879

0.7335, 0.6745,
0.0000


87.7938, 90.2319,
37.6194


0.0000, 0.0000,
0.0000


113.2325,
116.5996, 53.2577


143.1641,


147.6605, 72.7214


 177.9537,
183.7990, 96.4289


 15.2049, 15.3374,
2.1590


 15.2049, 15.3374,
2.1590


 15.2051, 15.3379,
2.1591

 15.6033, 16.0118,
2.6697

 16.0601, 16.7276,
3.4317

 16.6016, 17.4960,
4.5821

 17.2369, 18.3209,
6.1679

 17.9738, 19.2057,
8.2293

■ 18.8191, 20.1531,
10.8020

■ 19.7790, 21.1659,
13.9182

■ 20.8592, 22.2465,
17.6074

■ 22.0651, 23.3973,
21.8971

Harmonies

Analogous

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



19.9972, 15.3374, 3.4220



15.2049, 15.3374, 2.1590



11.1080, 15.3374, 2.8426

Triad

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



15.2049, 15.3374, 2.1590



8.0872, 15.3374, 30.0688



23.0012, 15.3374, 34.8410

Complementary

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



15.2049, 15.3374, 2.1590



4.9339, 2.7576, 23.5645

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.



18.7038, 15.3374, 50.4701



15.2049, 15.3374, 2.1590



10.2382, 15.3374, 46.8579

Square

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



15.2049, 15.3374, 2.1590



7.5272, 15.3374, 14.9907



13.9681, 15.3374, 55.7278



25.0484, 15.3374, 18.5341

Rectangle

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



15.2049, 15.3374, 2.1590



9.1952, 15.3374, 4.6962



13.9681, 15.3374, 55.7278



21.7337, 15.3374, 40.6188

Sweetspot

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



15.2052, 15.3382, 2.1593



34.7397, 37.1806, 24.1387



10.4104, 5.3371, 1.8293



7.8972, 8.4564, 5.1026



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.2052, 15.3382, 2.1593



26.6760, 26.7899, 3.7650



14.0303, 20.3023, 3.1794



5.3360, 5.6549, 5.3627



14.3985, 14.5313, 2.0459



0.1066, 0.1184, 0.0172

Inverse Universe

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



4.9339, 2.7576, 23.5645



8.5938, 4.6571, 41.4943



5.1810, 2.1576, 23.4357



4.8612, 5.0653, 6.3273



4.6760, 2.6222, 22.3054



0.0406, 0.0364, 0.1513

Previews

White Background



This preview shows how the XYZ color 15.2049, 15.3374, 2.1590 looks on a white background.

Color Contrast Check

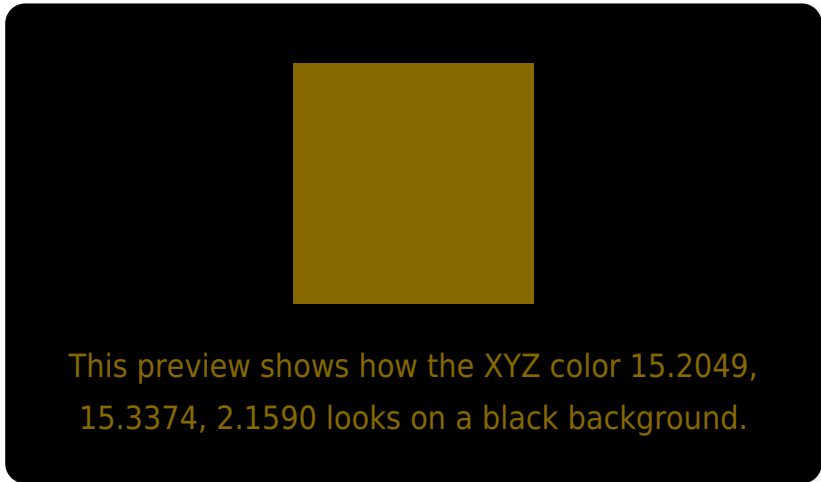
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 15.2049, 15.3374, 2.1590

Background



This preview shows how black text looks on a background with the XYZ color 15.2049, 15.3374, 2.1590.



This preview shows how white text looks on a background with the XYZ color 15.2049, 15.3374,

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

15.2049, 15.3374, 2.1590

Protanopia

13.9265, 15.4523, 2.4496

Deuteranopia

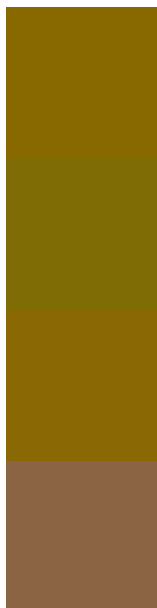
15.6306, 15.4027, 2.3215



Tritanopia

17.9020, 15.4180, 15.3970

Trichromacy



Original Color

15.2049, 15.3374, 2.1590

Protanomaly

14.2866, 15.3231, 2.3195

Deuteranomaly

15.4535, 15.3127, 2.2560

Tritanomaly

16.3143, 15.2016, 7.3845

Monochromacy



Original Color

15.2049, 15.3374, 2.1590

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7438, 13.6596, 6.9659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2049, 15.3374, 2.1590 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(136, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 105, 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(136, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.2049, 15.3374, 2.1590 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(136, 105, 0) }
```


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

```
.border{ border-color:rgb(136, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2049, 15.3374, 2.1590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 105, 0) }
```

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

```
.background{ background-color: rgb(136,  
105, 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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