

Converting Colors

XYZ(15.9296, 13.4770, 4.8937)

Have a look what the booklet for
XYZ(15.9296, 13.4770, 4.8937)
contains.

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Color

**XYZ(15.8470, 13.4035,
4.8839)**

Conversions

Conversions Part 1

Format	Color
Hex	915933
RGB	145, 89, 51
RGB Percent	57%, 35%, 20%
CMY	0.4314, 0.6510, 0.8000
CMYK	0.00, 0.39, 0.65, 0.43
HSL	24°, 48%, 38%
HSV	24°, 65%, 57%
XYZ	15.8470, 13.4035, 4.8839
YIQ	101.4120, 45.5740, 0.0540

Conversions

Conversions Part 2

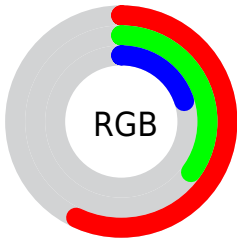
Format	Color
R_{YB}	145, 115, 51
Decimal	9525555
CIE Lab	43.37, 19.31, 31.29
CIE LCh	43, 36.771, 58.321
Yxy	13.4035, 0.4643, 0.3927
Android (android.graphics.Color)	4287715635 (0xFF915933)
YUV	101.4120, -24.8531, 38.2267
Hunter-Lab	36.6108, 13.1949, 17.7182

Details

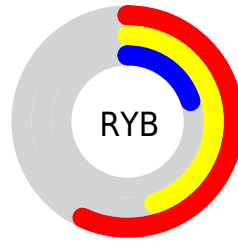
The XYZ color **15.8470, 13.4035, 4.8839** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.7335, 13.2630, 28.7296**, and the grayscale version is **12.5307, 13.1833, 14.3566**.

A 20% lighter version of the original color is **35.8419, 31.9226, 16.0770**, and **5.1077, 3.9124, 0.6295** is the 20% darker color. If you saturate the color by 10%, you get **14.8987, 11.9413, 3.2291**, and if you desaturate by 10%, it is **16.9800, 15.0757, 7.0925**.

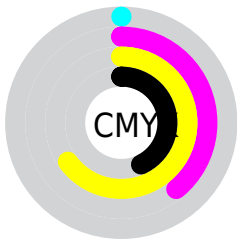
Distribution



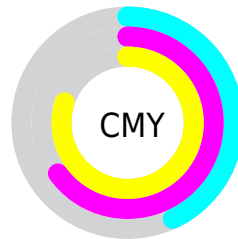
- Red (57%)
- Green (35%)
- Blue (20%)



- Red (57%)
- Yellow (45%)
- Blue (20%)



- Cyan (0%)
- Magenta (39%)
- Yellow (65%)
- Black (43%)





- Cyan (43%)
- Magenta (65%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.8470, 13.4035, 4.8839 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 15.8470, 13.4035, 4.8839 by changing the saturation by 10% instead.


 15.8470, 13.4035,
4.8839


 15.8470, 13.4035,
4.8839


221.7254,
213.4877, 157.5946


 9.5061, 7.7070,
2.1218


 35.8920, 32.0268,
16.0018


 5.1325, 3.9080,
0.6287

 50.3268, 45.7224,
25.1947


 2.3608, 1.6222,
0.0000

 68.1903, 62.8531,
37.3682

 0.8255, 0.3725,
0.0000

 89.8478, 83.8034,
52.9409

 0.0000, 0.0000,
0.0000

 115.6647,
108.9576, 72.3314

 146.0064,

138.7001, 95.9581

181.2381,
173.4153, 124.2397

■ 15.8470, 13.4035,
4.8839

■ 15.8470, 13.4035,
4.8839

■ 14.8987, 11.9413,
3.2291

■ 16.9800, 15.0757,
7.0925

■ 14.1217, 10.6774,
2.0758

■ 18.3079, 16.9647,
9.8993

■ 13.5007, 9.6012,
1.3571

■ 19.8413, 19.0795,
13.3450

■ 13.2216, 9.1089,
1.0613

■ 21.5894, 21.4279,
17.4665

■ 23.5611, 24.0173,
22.2978

■ 25.7645, 26.8546,
27.8708

■ 28.2074, 29.9466,
34.2151

■ 30.8972, 33.2998,
41.3589

■ 33.8409, 36.9203,
49.3289

Harmonies

Analogous

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



18.2118, 13.4035, 8.3316



15.8470, 13.4035, 4.8839



12.9012, 13.4035, 3.8419

Triad

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



15.8470, 13.4035, 4.8839



8.0006, 13.4035, 14.1381



15.5268, 13.4035, 33.2810

Complementary

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



15.8470, 13.4035, 4.8839



11.7335, 13.2630, 28.7296

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.



12.5794, 13.4035, 36.6382



15.8470, 13.4035, 4.8839



8.4907, 13.4035, 23.4003

Square

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



15.8470, 13.4035, 4.8839



8.6141, 13.4035, 7.7943



10.0676, 13.4035, 32.4890



18.0083, 13.4035, 24.5108

Rectangle

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



15.8470, 13.4035, 4.8839



11.0900, 13.4035, 4.1759



10.0676, 13.4035, 32.4890



14.5452, 13.4035, 35.1972

Sweetspot

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



15.8473, 13.4042, 4.8841



40.5305, 40.8383, 35.8172



15.5359, 9.4575, 15.0273



8.8170, 8.8225, 7.4808



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.8473, 13.4042, 4.8841



25.9768, 20.2554, 4.6857



21.0225, 23.7546, 6.6092



5.5767, 5.7597, 5.7072



11.3650, 7.8616, 0.9184



0.1293, 0.1165, 0.0157

Inverse Universe

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



11.7335, 13.2630, 28.7296



17.9637, 19.8949, 50.8669



8.1131, 6.0221, 27.5228



5.3798, 5.7554, 6.8561



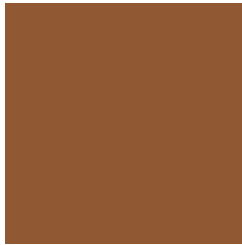
7.2899, 7.5658, 24.0532



0.0914, 0.1157, 0.2372

Previews

White Background



This preview shows how the XYZ color 15.8470, 13.4035, 4.8839 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 15.8470, 13.4035, 4.8839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

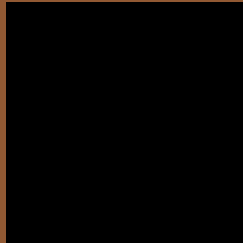
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8470, 13.4035, 4.8839

Background



This preview shows how black text looks on a background with the XYZ color 15.8470, 13.4035, 4.8839.



This preview shows how white text looks on a background with the XYZ color 15.8470, 13.4035,

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

15.8470, 13.4035, 4.8839

Protanopia

12.3741, 13.4967, 5.6943

Deuteranopia

13.6745, 13.4691, 4.7848



Tritanopia

17.2714, 13.3919, 11.5721

Trichromacy



Original Color

15.8470, 13.4035, 4.8839

Protanomaly

13.4910, 13.3617, 5.3580

Deuteranomaly

14.4994, 13.4830, 4.8559

Tritanomaly

16.6649, 13.3804, 8.5418

Monochromacy



Original Color

15.8470, 13.4035, 4.8839

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.1721, 12.9558, 9.9901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8470, 13.4035, 4.8839 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(145, 89, 51)` looks like.

```
.text, #text, p{  
    color:rgb(145, 89, 51)  
}
```

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(145, 89, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 89, 51) }
```

Border

The CSS property to change the border of an element to XYZ 15.8470, 13.4035, 4.8839 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(145, 89, 51) }
```


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

```
.border{ border-color:rgb(145, 89, 51) }
```

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

Here you see how a box with a 4 pixel rgb(145, 89, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 89, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 89, 51);  
box-shadow:4px 4px 4px 4px rgb(145, 89,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8470, 13.4035, 4.8839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 89, 51) }
```

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

```
.background{ background-color: rgb(145, 89,  
51) }
```

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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