

Converting Colors

XYZ(13.4187, 12.0001, 3.4815)

Have a look what the booklet for
XYZ(13.4187, 12.0001, 3.4815)
contains.

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Color

**XYZ(13.5124, 12.1059,
3.4582)**

Conversions

Conversions Part 1

Format	Color
Hex	855826
RGB	133, 88, 38
RGB Percent	52%, 35%, 15%
CMY	0.4784, 0.6549, 0.8510
CMYK	0.00, 0.34, 0.71, 0.48
HSL	32°, 56%, 34%
HSV	32°, 71%, 52%
XYZ	13.5124, 12.1059, 3.4582
YIQ	95.7550, 42.8700, -6.0100

Conversions

Conversions Part 2

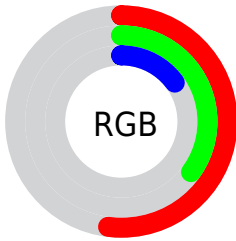
Format	Color
R_YB	124, 133, 38
Decimal	8738854
CIE Lab	41.38, 13.61, 35.60
CIE LCh	41, 38.114, 69.076
Yxy	12.1059, 0.4647, 0.4163
Android (android.graphics.Color)	4286928934 (0xFF855826)
YUV	95.7550, -28.4732, 32.6639
Hunter-Lab	34.7935, 8.4335, 18.4625

Details

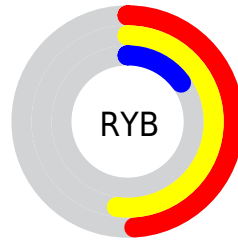
The XYZ color **13.5124, 12.1059, 3.4582** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.1260, 8.2916, 23.3622**, and the grayscale version is **11.1186, 11.6976, 12.7387**.

A 20% lighter version of the original color is **31.7144, 29.6517, 12.6461**, and **4.1362, 3.3614, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **12.8401, 11.0455, 2.3581**, and if you desaturate by 10%, it is **14.3067, 13.2876, 4.9776**.

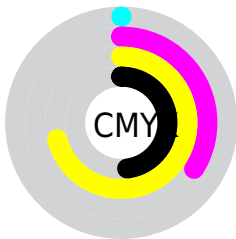
Distribution



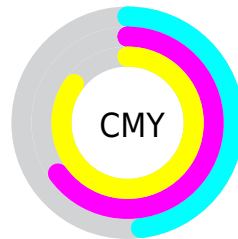
- Red (52%)
- Green (35%)
- Blue (15%)



- Red (49%)
- Yellow (52%)
- Blue (15%)



- Cyan (0%)
- Magenta (34%)
- Yellow (71%)
- Black (48%)





- Cyan (48%)
- Magenta (65%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5124, 12.1059, 3.4582 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 13.5124, 12.1059, 3.4582 by changing the saturation by 10% instead.


 13.5124, 12.1059,
3.4582


 13.5124, 12.1059,
3.4582


207.7479,
205.1051, 141.9982

 7.8617, 6.8158,
1.3331


 31.8149, 29.6878,
12.7396


 4.0577, 3.3472,
0.0887

 45.1974, 42.7485,
20.7329

 1.7348, 1.3156,
0.0000

 61.8879, 59.1682,
31.5194

 0.4779, 0.1532,
0.0000

 82.2518, 79.3312,
45.5176

 0.0000, 0.0000,
0.0000

 106.6543,
103.6220, 63.1460

 135.4610,

132.4250, 84.8232

169.0370,
166.1246, 110.9678

13.5124, 12.1059,
3.4582

13.5124, 12.1059,
3.4582

12.8401, 11.0455,
2.3581

14.3067, 13.2876,
4.9776

12.2792, 10.0988,
1.6310

15.2306, 14.5939,
6.9548

11.8632, 9.3674,
1.1828

16.2919, 16.0302,
9.4246

17.4974, 17.6006,
12.4181

18.8536, 19.3095,
15.9639

■ 20.3664, 21.1606,
20.0886

■ 22.0412, 23.1576,
24.8168

■ 23.8834, 25.3043,
30.1719

■ 25.8981, 27.6038,
36.1760

Harmonies

Analogous

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



16.1493, 12.1059, 5.7219



13.5124, 12.1059, 3.4582



10.6875, 12.1059, 3.1353

Triad

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



13.5124, 12.1059, 3.4582



7.0125, 12.1059, 15.7331



15.1954, 12.1059, 28.8966

Complementary

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



13.5124, 12.1059, 3.4582



8.1260, 8.2916, 23.3622

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.



12.3659, 12.1059, 34.6721



13.5124, 12.1059, 3.4582



7.8513, 12.1059, 25.3041

Square

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



13.5124, 12.1059, 3.4582



7.2188, 12.1059, 8.4550



9.7093, 12.1059, 33.1442



17.2240, 12.1059, 19.4045

Rectangle

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



13.5124, 12.1059, 3.4582



9.1101, 12.1059, 3.8470



9.7093, 12.1059, 33.1442



14.2896, 12.1059, 31.4807

Sweetspot

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



13.5127, 12.1065, 3.4584



33.7506, 34.5638, 28.5543



11.9629, 7.0116, 9.0933



7.4718, 7.6226, 6.0823



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.5127, 12.1065, 3.4584



22.3171, 18.6514, 3.3031



18.1620, 21.7734, 5.0793



4.8603, 5.0642, 4.9507



11.3082, 8.9389, 1.1294



0.0465, 0.0456, 0.0063

Inverse Universe

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



8.1260, 8.2916, 23.3622



12.0488, 11.3981, 41.3034



5.7858, 3.5226, 22.5651



4.6029, 4.8813, 5.9003



5.7335, 5.0147, 21.8024



0.0271, 0.0318, 0.0779

Previews

White Background



This preview shows how the XYZ color 13.5124, 12.1059, 3.4582 looks on a white background.

Color Contrast Check

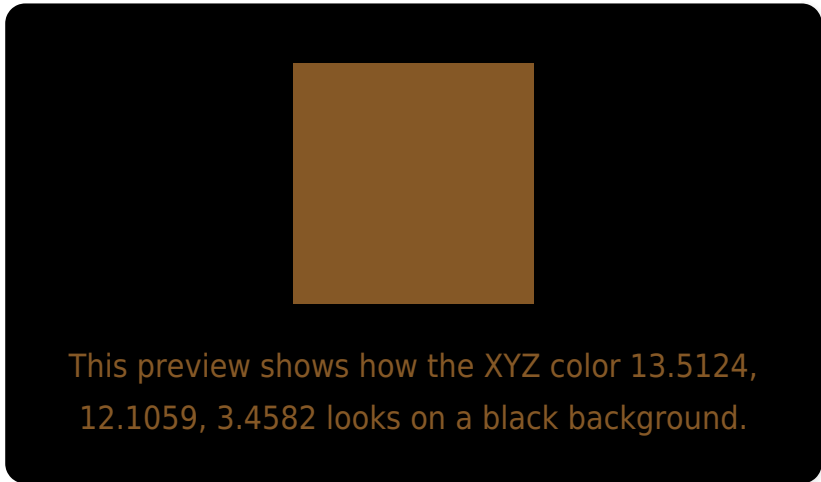
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5124, 12.1059, 3.4582

Background



This preview shows how black text looks on a background with the XYZ color 13.5124, 12.1059, 3.4582.



This preview shows how white text looks on a background with the XYZ color 13.5124, 12.1059,

3.4582.

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

13.5124, 12.1059, 3.4582

Protanopia

11.0746, 12.1467, 3.8587

Deuteranopia

12.2588, 12.0937, 3.3573



Tritanopia

15.0498, 12.1420, 11.0016

Trichromacy



Original Color

13.5124, 12.1059, 3.4582

Protanomaly

11.8569, 12.0102, 3.7007

Deuteranomaly

12.6792, 12.0514, 3.4081

Tritanomaly

14.3457, 12.0901, 7.3719

Monochromacy



Original Color

13.5124, 12.1059, 3.4582

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4910, 11.5879, 8.2877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5124, 12.1059, 3.4582 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(133, 88, 38)` looks like.

```
.text, #text, p{  
    color:rgb(133, 88, 38)  
}
```

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(133, 88, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 88, 38) }
```

Border

The CSS property to change the border of an element to XYZ 13.5124, 12.1059, 3.4582 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(133, 88, 38) }
```


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

```
.border{ border-color:rgb(133, 88, 38) }
```

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

Here you see how a box with a 4 pixel rgb(133, 88, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 88, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 88, 38);  
box-shadow:4px 4px 4px 4px rgb(133, 88,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5124, 12.1059, 3.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 88, 38) }
```

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

```
.background{ background-color: rgb(133, 88,  
38) }
```

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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