

Converting Colors

XYZ(13.8994, 11.3173, 4.1315)

Have a look what the booklet for
XYZ(13.8994, 11.3173, 4.1315)
contains.

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Color

**XYZ(13.8630, 11.3458,
4.1486)**

Conversions

Conversions Part 1

Format	Color
Hex	8A502F
RGB	138, 80, 47
RGB Percent	54%, 31%, 18%
CMY	0.4588, 0.6863, 0.8157
CMYK	0.00, 0.42, 0.66, 0.46
HSL	22°, 49%, 36%
HSV	22°, 66%, 54%
XYZ	13.8630, 11.3458, 4.1486
YIQ	93.5800, 45.1610, 2.0330

Conversions

Conversions Part 2

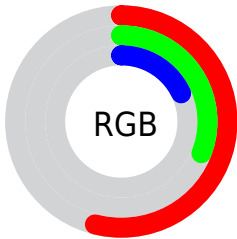
Format	Color
R_{YB}	138, 99, 47
Decimal	9064495
CIE Lab	40.16, 21.14, 29.52
CIE LCh	40, 36.310, 54.397
Yxy	11.3458, 0.4722, 0.3865
Android (android.graphics.Color)	4287254575 (0xFF8A502F)
YUV	93.5800, -22.9639, 38.9563
Hunter-Lab	33.6835, 14.5184, 16.2761

Details

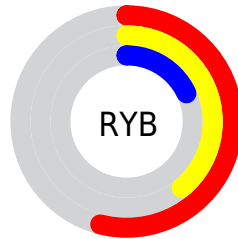
The XYZ color **13.8630, 11.3458, 4.1486** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.8110, 12.5419, 25.8958**, and the grayscale version is **10.5854, 11.1367, 12.1279**.

A 20% lighter version of the original color is **32.5087, 28.3755, 14.3533**, and **4.2282, 3.0289, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **13.0251, 10.0473, 2.7065**, and if you desaturate by 10%, it is **14.8738, 12.8494, 6.0830**.

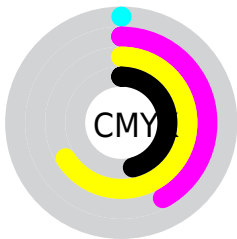
Distribution



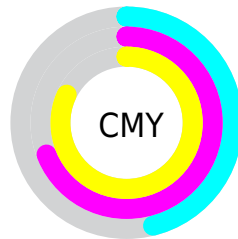
- Red (54%)
- Green (31%)
- Blue (18%)



- Red (54%)
- Yellow (39%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (66%)
- Black (46%)





- Cyan (46%)
- Magenta (69%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8630, 11.3458, 4.1486 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 13.8630, 11.3458, 4.1486 by changing the saturation by 10% instead.


 13.8630, 11.3458,
4.1486


 13.8630, 11.3458,
4.1486


209.9046,
200.0248, 149.8630


 8.1065, 6.2999,
1.7072


 32.4340, 28.2979,
14.3510


 4.2156, 3.0283,
0.3657

 45.9793, 40.9728,
22.9492

 1.8248, 1.1465,
0.0000

 62.8515, 56.9596,
34.4367

 0.5325, 0.0174,
0.0000

 83.4161, 76.6427,
49.2320

 0.0000, 0.0000,
0.0000

 108.0383,
100.4063, 67.7538

 137.0836,

128.6349, 90.4205

170.9172,
161.7130, 117.6507

■ 13.8630, 11.3458,
4.1486

■ 13.8630, 11.3458,
4.1486

■ 13.0251, 10.0473,
2.7065

■ 14.8738, 12.8494,
6.0830

■ 12.3474, 8.9421,
1.7094

■ 16.0674, 14.5654,
8.5498

■ 11.8134, 8.0185,
1.0859

■ 17.4536, 16.5030,
11.5853

■ 11.6239, 7.6887,
0.8714

■ 19.0412, 18.6701,
15.2228

■ 20.8387, 21.0744,
19.4927

■ 22.8538, 23.7230,
24.4235

■ 25.0939, 26.6228,
30.0420

■ 27.5659, 29.7805,
36.3733

■ 30.2767, 33.2024,
43.4414

Harmonies

Analogous

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



15.8348, 11.3458, 7.4561



13.8630, 11.3458, 4.1486



11.2646, 11.3458, 3.0417

Triad

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



13.8630, 11.3458, 4.1486



6.6392, 11.3458, 11.0457



12.9152, 11.3458, 29.8263

Complementary

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



13.8630, 11.3458, 4.1486



10.8110, 12.5419, 25.8958

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.



10.3169, 11.3458, 31.9908



13.8630, 11.3458, 4.1486



6.9405, 11.3458, 19.0298

Square

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



13.8630, 11.3458, 4.1486



7.2997, 11.3458, 5.9003



8.1981, 11.3458, 27.4502



15.2305, 11.3458, 22.3400

Rectangle

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



13.8630, 11.3458, 4.1486



9.6216, 11.3458, 3.1894



8.1981, 11.3458, 27.4502



12.0361, 11.3458, 31.2980

Sweetspot

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



13.8633, 11.3464, 4.1488



35.2640, 35.1936, 30.8417



14.1071, 8.4801, 14.5700



7.7389, 7.6652, 6.5133



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.



13.8633, 11.3464, 4.1488



22.3581, 16.7438, 3.8439



18.2459, 20.1117, 5.6097



5.1717, 5.3263, 5.3079



10.6705, 7.0754, 0.8033



0.0839, 0.0731, 0.0097

Inverse Universe

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



10.8110, 12.5419, 25.8958



16.5023, 18.9081, 45.1630



7.4099, 5.7396, 24.7620



5.0228, 5.3886, 6.3812



7.4161, 8.1024, 23.2187



0.0632, 0.0817, 0.1589

Previews

White Background



This preview shows how the XYZ color 13.8630, 11.3458, 4.1486 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 13.8630, 11.3458, 4.1486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

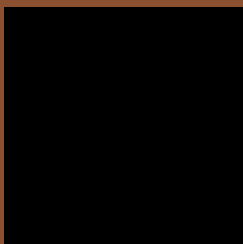
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8630, 11.3458, 4.1486

Background



This preview shows how black text looks on a background with the XYZ color 13.8630, 11.3458, 4.1486.



This preview shows how white text looks on a background with the XYZ color 13.8630, 11.3458,

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

13.8630, 11.3458, 4.1486

Protanopia

10.5377, 11.4356, 4.9007

Deuteranopia

11.6860, 11.5232, 4.0909



Tritanopia

14.8849, 11.3384, 9.1886

Trichromacy



Original Color

13.8630, 11.3458, 4.1486

Protanomaly

11.5680, 11.3245, 4.5938

Deuteranomaly

12.3588, 11.3736, 4.1287

Tritanomaly

14.3755, 11.2264, 7.0395

Monochromacy



Original Color

13.8630, 11.3458, 4.1486

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.3423, 10.9956, 8.5457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8630, 11.3458, 4.1486 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(138, 80, 47)` looks like.

```
.text, #text, p{  
    color:rgb(138, 80, 47)  
}
```

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(138, 80, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 80, 47) }
```

Border

The CSS property to change the border of an element to XYZ 13.8630, 11.3458, 4.1486 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(138, 80, 47) }
```


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

```
.border{ border-color:rgb(138, 80, 47) }
```

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

Here you see how a box with a 4 pixel rgb(138, 80, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 80, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 80, 47);  
box-shadow:4px 4px 4px 4px rgb(138, 80,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8630, 11.3458, 4.1486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 80, 47) }
```

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

```
.background{ background-color: rgb(138, 80,  
47) }
```

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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