

Converting Colors

$Y_{xy}(12.2209, 0.4870, 0.4237)$

Have a look what the booklet for
Yxy(12.2209, 0.4870, 0.4237)
contains.

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Color

Yxy(12.2942, 0.4857, 0.4243)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 8A571A |
| RGB | 138, 87, 26 |
| RGB Percent | 54%, 34%, 10% |
| CMY | 0.4589, 0.6588, 0.8981 |
| CMYK | 0.00, 0.37, 0.81, 0.46 |
| HSL | 33°, 68%, 32% |
| HSV | 33°, 81%, 54% |
| XYZ | 14.0733, 12.2942, 2.6078 |
| YIQ | 95.2950, 49.9770, -8.1590 |

Conversions

Conversions Part 2

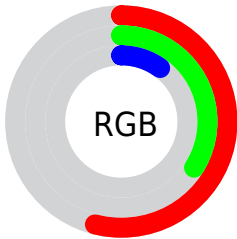
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 120, 138, 26 |
| Decimal | 9066266 |
| CIE Lab | 41.68, 15.90, 41.80 |
| CIE LCh | 42, 44.719, 69.176 |
| Yxy | 12.2942, 0.4857, 0.4243 |
| Android (android.graphics.Color) | 4287256346 (0xFF8A571A) |
| YUV | 95.2950, -34.1624, 37.4523 |
| Hunter-Lab | 35.0631, 10.2842, 20.1345 |

Details

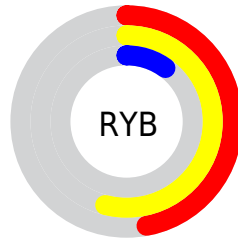
The Yxy color **12.2942, 0.4857, 0.4243** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.3551, 0.1912, 0.1836**, and the grayscale version is **11.5931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0014, 0.4455, 0.4085**, and **3.4249, 0.5307, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **11.2742, 0.5070, 0.4244**, and if you desaturate by 10%, it is **13.4337, 0.4619, 0.4194**.

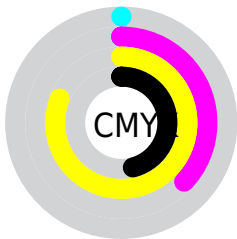
Distribution



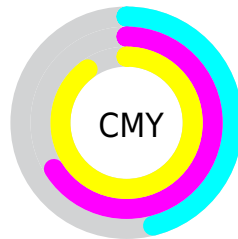
- Red (54%)
- Green (34%)
- Blue (10%)



- Red (47%)
- Yellow (54%)
- Blue (10%)



- Cyan (0%)
- Magenta (37%)
- Yellow (81%)
- Black (46%)





- Cyan (46%)
- Magenta (66%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2942, 0.4857, 0.4243 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 Yxy color 12.2942, 0.4857, 0.4243 by changing the saturation by 10% instead.


 12.2942, 0.4857,
0.4243


 12.2942, 0.4857,
0.4243


206.3434, 0.3849,
0.3760

 6.9444, 0.5128,
0.4315


 30.0298, 0.4464,
0.4087


 3.4273, 0.5571,
0.4429

 43.1844, 0.4323,
0.4019


 1.3587, 0.5804,
0.4196

 59.7093, 0.4207,
0.3960

 0.1860, 0.7523,
0.2477

 79.9890, 0.4111,
0.3909

 0.0000, 0.0000,
0.0000

 104.4079, 0.4029,
0.3864

 133.3503, 0.3960,

0.3825

 167.2007, 0.3901,
0.3791

 12.2942, 0.4857,
0.4243


 12.2942, 0.4857,
0.4243


 11.2742, 0.5070,
0.4244


 13.4337, 0.4619,
0.4194

 10.4592, 0.5245,
0.4218

 14.6966, 0.4372,
0.4105

 16.0890, 0.4126,
0.3989

 17.6157, 0.3892,
0.3857

 19.2811, 0.3675,
0.3716

■ 21.0896, 0.3478,
0.3574

■ 23.0452, 0.3301,
0.3436

■ 25.1516, 0.3144,
0.3305

■ 27.4126, 0.3006,
0.3181

Harmonies

Analogous

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



12.2942, 0.5012, 0.3564



12.2942, 0.4857, 0.4243



12.2942, 0.4232, 0.4859

Triad

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



12.2942, 0.4857, 0.4243



12.2942, 0.1843, 0.3486



12.2942, 0.2634, 0.2007

Complementary

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



12.2942, 0.4857, 0.4243



7.3551, 0.1912, 0.1836

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.



12.2942, 0.1948, 0.1882



12.2942, 0.4857, 0.4243



12.2942, 0.1549, 0.2557

Square

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



12.2942, 0.4857, 0.4243



12.2942, 0.2495, 0.4560



12.2942, 0.1591, 0.2041



12.2942, 0.3595, 0.2373

Rectangle

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



12.2942, 0.4857, 0.4243



12.2942, 0.3672, 0.5087



12.2942, 0.1591, 0.2041



12.2942, 0.2369, 0.1937

Sweetspot

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



12.2948, 0.4857, 0.4243



36.0899, 0.3542, 0.3621



6.6935, 0.4559, 0.2495



7.8732, 0.3603, 0.3665



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.2948, 0.4857, 0.4243



18.5939, 0.5216, 0.4211



23.3342, 0.4077, 0.4970



5.4706, 0.3268, 0.3409



9.6220, 0.5240, 0.4221



0.0932, 0.4693, 0.4655

Inverse Universe

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



7.3551, 0.1912, 0.1836



9.6330, 0.1754, 0.1491



2.8445, 0.1680, 0.0872



5.2427, 0.2991, 0.3168



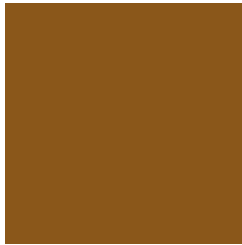
4.9503, 0.1744, 0.1478



0.0616, 0.1966, 0.2278

Previews

White Background



This preview shows how the Yxy color 12.2942, 0.4857, 0.4243 looks on a white background.

Color Contrast Check

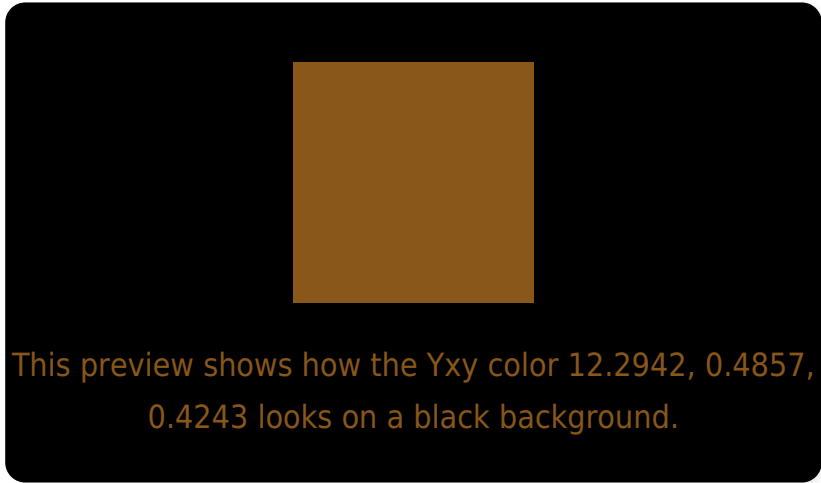
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

Yxy 12.2942, 0.4857, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 12.2942, 0.4857, 0.4243.



This preview shows how white text looks on a background with the Yxy color 12.2942, 0.4857, 0.4243.

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

12.2942, 0.4857, 0.4243

Protanopia

12.3919, 0.4226, 0.4660

Deuteranopia

12.3524, 0.4558, 0.4515



Tritanopia

12.2357, 0.4071, 0.3183

Trichromacy



Original Color

12.2942, 0.4857, 0.4243

Protanomaly

12.3332, 0.4455, 0.4508

Deuteranomaly

12.2152, 0.4676, 0.4408

Tritanomaly

12.1436, 0.4428, 0.3618

Monochromacy



Original Color

12.2942, 0.4857, 0.4243

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4760, 0.3783, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2942, 0.4857, 0.4243 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, 87, 26)` looks like.

```
.text, #text, p{  
    color:rgb(138, 87, 26)  
}
```

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, 87, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 87, 26) }
```

Border

The CSS property to change the border of an element to Yxy 12.2942, 0.4857, 0.4243 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, 87, 26) }
```

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

```
.border{ border-color:rgb(138, 87, 26) }
```

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

Here you see how a box with a 4 pixel rgb(138, 87, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 87, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 87, 26);  
box-shadow:4px 4px 4px 4px rgb(138, 87,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2942, 0.4857, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 87, 26) }
```

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

```
.background{ background-color: rgb(138, 87,  
26) }
```

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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