

Converting Colors

$Y_{xy}(13.8520, 0.5077, 0.4235)$

Have a look what the booklet for
Yxy(13.8520, 0.5077, 0.4235)
contains.

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Color

Yxy(13.8546, 0.5077, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	98590F
RGB	152, 89, 15
RGB Percent	60%, 35%, 6%
CMY	0.4039, 0.6510, 0.9412
CMYK	0.00, 0.41, 0.90, 0.40
HSL	32°, 82%, 33%
HSV	32°, 90%, 60%
XYZ	16.6092, 13.8546, 2.2508
YIQ	99.4010, 61.3020, -9.6580

Conversions

Conversions Part 2

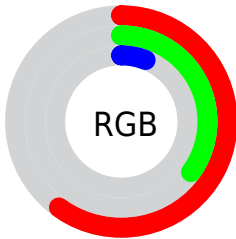
Format	Color
RYB	132, 152, 15
Decimal	9984271
CIELab	44.02, 20.81, 48.60
CIELCh	44, 52.870, 66.815
Yxy	13.8546, 0.5077, 0.4235
Android (android.graphics.Color)	4288174351 (0xFF98590F)
YUV	99.4010, -41.6097, 46.1293
Hunter-Lab	37.2218, 14.5125, 22.4700

Details

The Yxy color **13.8546, 0.5077, 0.4235** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8203, 0.1821, 0.1658**, and the grayscale version is **12.6801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7194, 0.4668, 0.4116**, and **4.1606, 0.5446, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **12.7257, 0.5270, 0.4198**, and if you desaturate by 10%, it is **15.1350, 0.4858, 0.4233**.

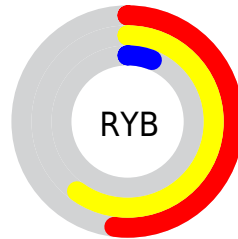
Distribution



Red (60%)

Green (35%)

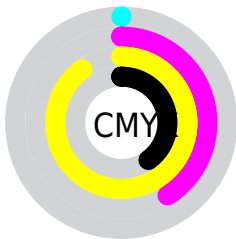
Blue (6%)



Red (52%)

Yellow (60%)

Blue (6%)

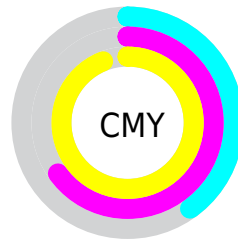


Cyan (0%)

Magenta (41%)

Yellow (90%)

Black (40%)



Cyan (40%)


Magenta (65%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8546, 0.5077, 0.4235 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 13.8546, 0.5077, 0.4235 by changing the saturation by 10% instead.


 13.8546, 0.5077,
0.4235

 13.8546, 0.5077,
0.4235


216.3244, 0.3977,
0.3805


 8.0196, 0.5353,
0.4272


 32.8308, 0.4665,
0.4117

 4.1075, 0.5722,
0.4278

 46.7408, 0.4511,
0.4057

 1.7339, 0.5979,
0.4021

 64.1113, 0.4383,
0.4003

 0.4454, 0.6773,
0.3227

 85.3266, 0.4275,
0.3954

 0.0000, 0.0000,
0.0000


 110.7712, 0.4183,
0.3910

 140.8294, 0.4104,


0.3871

 175.8857, 0.4036,
0.3836


 13.8546, 0.5077,
0.4235

 13.8546, 0.5077,
0.4235


 12.7257, 0.5270,
0.4198

 15.1350, 0.4858,
0.4233

 16.5657, 0.4616,
0.4183

 18.1550, 0.4364,
0.4093

 19.9097, 0.4115,
0.3976

 21.8360, 0.3879,
0.3842

■ 23.9397, 0.3660,
0.3701

■ 26.2262, 0.3462,
0.3560

■ 28.7008, 0.3286,
0.3422

■ 31.3682, 0.3129,
0.3292

Harmonies

Analogous

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



13.8546, 0.5234, 0.3495



13.8546, 0.5077, 0.4235



13.8546, 0.4386, 0.4967

Triad

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



13.8546, 0.5077, 0.4235



13.8546, 0.1731, 0.3597



13.8546, 0.2494, 0.1855

Complementary

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



13.8546, 0.5077, 0.4235



7.8203, 0.1821, 0.1658

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.



13.8546, 0.1776, 0.1739



13.8546, 0.5077, 0.4235



13.8546, 0.1397, 0.2511

Square

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



13.8546, 0.5077, 0.4235



13.8546, 0.2467, 0.4844



13.8546, 0.1423, 0.1925



13.8546, 0.3556, 0.2232

Rectangle

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



13.8546, 0.5077, 0.4235



13.8546, 0.3770, 0.5301



13.8546, 0.1423, 0.1925



13.8546, 0.2212, 0.1786

Sweetspot

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



13.8553, 0.5077, 0.4235



43.2686, 0.3606, 0.3664



7.5819, 0.4812, 0.2511



9.5585, 0.3671, 0.3708



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.8553, 0.5077, 0.4235



22.0996, 0.5295, 0.4177



28.7390, 0.4115, 0.5048



6.7475, 0.3271, 0.3410



10.7309, 0.5261, 0.4205



0.2332, 0.4715, 0.4638

Inverse Universe

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



7.8203, 0.1821, 0.1658



11.3658, 0.1733, 0.1439



2.7534, 0.1577, 0.0710



6.4710, 0.2989, 0.3167



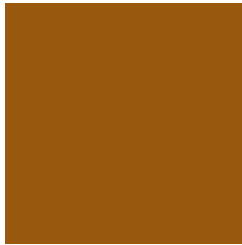
5.6249, 0.1746, 0.1485



0.1557, 0.1964, 0.2271

Previews

White Background



This preview shows how the Yxy color 13.8546, 0.5077, 0.4235 looks on a white background.

Color Contrast Check

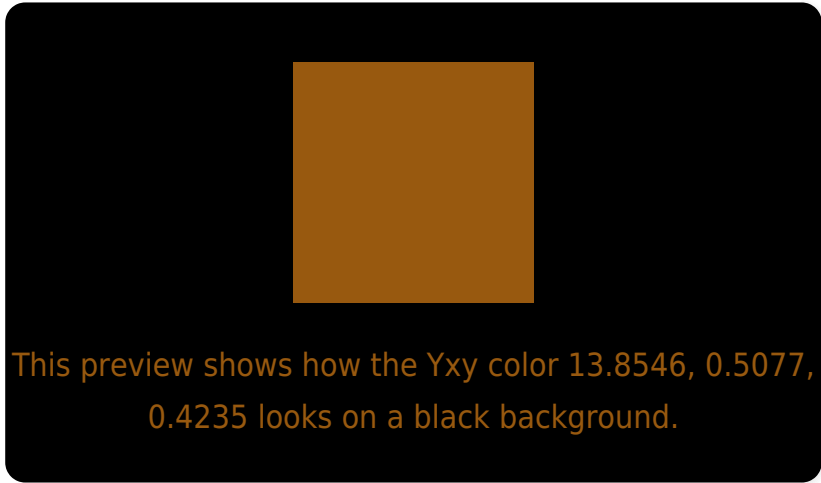
Large Text (above 18pt) WCAG AA ✓ Pass

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

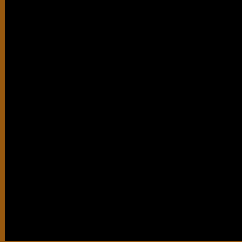
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8546, 0.5077, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 13.8546, 0.5077, 0.4235.



This preview shows how white text looks on a background with the Yxy color 13.8546, 0.5077, 0.4235.

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

13.8546, 0.5077, 0.4235

Protanopia

14.0052, 0.4309, 0.4771

Deuteranopia

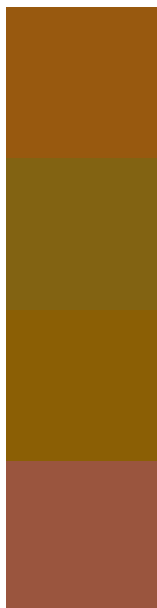
13.8292, 0.4700, 0.4650



Tritanopia

13.8763, 0.4238, 0.3194

Trichromacy



Original Color

13.8546, 0.5077, 0.4235

Protanomaly

13.7132, 0.4595, 0.4574

Deuteranomaly

13.6843, 0.4848, 0.4493

Tritanomaly

13.7148, 0.4659, 0.3663

Monochromacy



Original Color

13.8546, 0.5077, 0.4235

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4533, 0.3907, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8546, 0.5077, 0.4235 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(152, 89, 15)` looks like.

```
.text, #text, p{  
    color:rgb(152, 89, 15)  
}
```

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(152, 89, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 89, 15) }
```

Border

The CSS property to change the border of an element to Yxy 13.8546, 0.5077, 0.4235 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(152, 89, 15) }
```

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

```
.border{ border-color:rgb(152, 89, 15) }
```

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

Here you see how a box with a 4 pixel rgb(152, 89, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 89, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 89, 15);  
box-shadow:4px 4px 4px 4px rgb(152, 89,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8546, 0.5077, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 89, 15) }
```

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

```
.background{ background-color: rgb(152, 89,  
15) }
```

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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