

Converting Colors

$Y_{xy}(13.4391, 0.5447, 0.3930)$

Have a look what the booklet for
Yxy(13.4391, 0.5447, 0.3930)
contains.

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Color

Yxy(13.4248, 0.5447, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	A74C11
RGB	167, 76, 17
RGB Percent	65%, 30%, 7%
CMY	0.3451, 0.7019, 0.9333
CMYK	0.00, 0.54, 0.90, 0.35
HSL	24°, 82%, 36%
HSV	24°, 90%, 65%
XYZ	18.6211, 13.4248, 2.1400
YIQ	96.4830, 73.1750, 0.9430

Conversions

Conversions Part 2

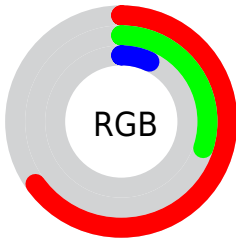
Format	Color
RYB	167, 114, 17
Decimal	10963985
CIELab	43.40, 34.38, 48.43
CIELCh	43, 59.394, 54.633
Yxy	13.4248, 0.5447, 0.3927
Android (android.graphics.Color)	4289154065 (0xFFA74C11)
YUV	96.4830, -39.1851, 61.8434
Hunter-Lab	36.6399, 26.5972, 22.1849

Details

The Yxy color **13.4248, 0.5447, 0.3927** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.6307, 0.1942, 0.2106**, and the grayscale version is **11.9059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0780, 0.4949, 0.3910**, and **3.9720, 0.5996, 0.3621** is the 20% darker color. If you saturate the color by 10%, you get **12.0979, 0.5698, 0.3856**, and if you desaturate by 10%, it is **15.0065, 0.5158, 0.3957**.

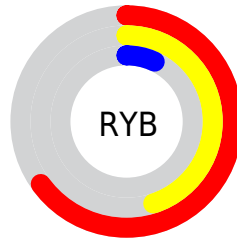
Distribution



Red (65%)

Green (30%)

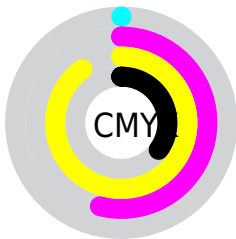
Blue (7%)



Red (65%)

Yellow (45%)

Blue (7%)

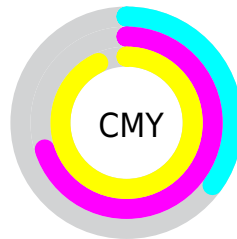


Cyan (0%)

Magenta (54%)

Yellow (90%)

Black (35%)



Cyan (35%)


Magenta (70%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4248, 0.5447, 0.3927 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 13.4248, 0.5447, 0.3927 by changing the saturation by 10% instead.


 13.4248, 0.5447,
0.3927


 13.4248, 0.5447,
0.3927

213.6225, 0.4124,
0.3712


 7.7217, 0.5790,
0.3888


 32.0649, 0.4947,
0.3906

 3.9174, 0.6230,
0.3770

 45.7706, 0.4762,
0.3877

 1.6275, 0.6614,
0.3386

 62.9128, 0.4608,
0.3846

 0.3760, 0.7686,
0.2314

 83.8756, 0.4479,
0.3816


 0.0000, 1.0000,
0.0000


 109.0437, 0.4370,
0.3787


 0.0000, 0.0000,
0.0000

 138.8012, 0.4276,

0.3760

 173.5327, 0.4195,
0.3735


 13.4248, 0.5447,
0.3927

 13.4248, 0.5447,
0.3927

 12.0979, 0.5698,
0.3856


 15.0065, 0.5158,
0.3957

 12.0760, 0.5702,
0.3854

 16.8635, 0.4841,
0.3939

 19.0117, 0.4521,
0.3881

 21.4647, 0.4216,
0.3797

 24.2351, 0.3937,
0.3698

■ 27.3348, 0.3689,
0.3592

■ 30.7748, 0.3473,
0.3487

■ 34.5658, 0.3285,
0.3385

■ 38.7178, 0.3124,
0.3288

Harmonies

Analogous

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



13.4248, 0.5336, 0.3162



13.4248, 0.5447, 0.3927



13.4248, 0.4837, 0.4771

Triad

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



13.4248, 0.5447, 0.3927



13.4248, 0.1837, 0.4249



13.4248, 0.2045, 0.1631

Complementary

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



13.4248, 0.5447, 0.3927



13.6307, 0.1942, 0.2106

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.



13.4248, 0.1444, 0.1622



13.4248, 0.5447, 0.3927



13.4248, 0.1315, 0.2815

Square

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



13.4248, 0.5447, 0.3927



13.4248, 0.2775, 0.5477



13.4248, 0.1210, 0.1962



13.4248, 0.3078, 0.1926

Rectangle

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



13.4248, 0.5447, 0.3927



13.4248, 0.4207, 0.5305



13.4248, 0.1210, 0.1962



13.4248, 0.1798, 0.1595

Sweetspot

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



13.4255, 0.5447, 0.3927



50.3399, 0.3636, 0.3567



9.7306, 0.4287, 0.2204



10.8343, 0.3711, 0.3602



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.4255, 0.5447, 0.3927



21.2535, 0.5733, 0.3830



29.9070, 0.4357, 0.4851



8.0084, 0.3276, 0.3379



9.3315, 0.5685, 0.3868



0.3272, 0.5091, 0.4340

Inverse Universe

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



13.6307, 0.1942, 0.2106



21.3579, 0.1870, 0.1932



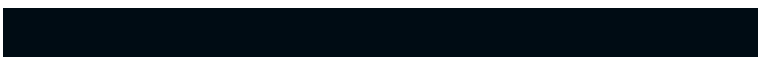
4.0818, 0.1596, 0.0836



8.0291, 0.2987, 0.3199



9.3991, 0.1881, 0.1971



0.3241, 0.2016, 0.2457

Previews

White Background



This preview shows how the Yxy color 13.4248, 0.5447, 0.3927 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 Yxy color 13.4248, 0.5447, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

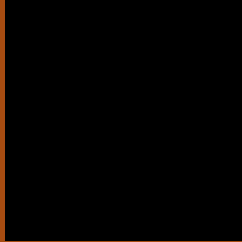
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4248, 0.5447, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 13.4248, 0.5447, 0.3927.



This preview shows how white text looks on a background with the Yxy color 13.4248, 0.5447, 0.3927.

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

13.4248, 0.5447, 0.3927

Protanopia

13.6796, 0.4269, 0.4741

Deuteranopia

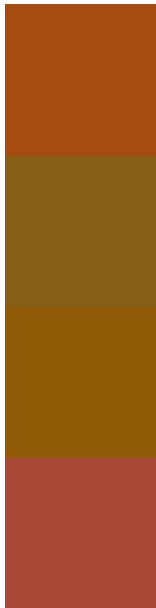
13.5607, 0.4704, 0.4647



Tritanopia

13.4633, 0.4769, 0.3223

Trichromacy



Original Color

13.4248, 0.5447, 0.3927

Protanomaly

13.2104, 0.4733, 0.4425

Deuteranomaly

13.2548, 0.5001, 0.4364

Tritanomaly

13.3658, 0.5089, 0.3539

Monochromacy



Original Color

13.4248, 0.5447, 0.3927

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6876, 0.4042, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4248, 0.5447, 0.3927 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(167, 76, 17)` looks like.

```
.text, #text, p{  
    color:rgb(167, 76, 17)  
}
```

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(167, 76, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 76, 17) }
```

Border

The CSS property to change the border of an element to Yxy 13.4248, 0.5447, 0.3927 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(167, 76, 17) }
```

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

```
.border{ border-color:rgb(167, 76, 17) }
```

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

Here you see how a box with a 4 pixel rgb(167, 76, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 76, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 76, 17);  
box-shadow:4px 4px 4px 4px rgb(167, 76,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4248, 0.5447, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 76, 17) }
```

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

```
.background{ background-color: rgb(167, 76,  
17) }
```

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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