

Converting Colors

$Y_{xy}(13.1737, 0.5369, 0.3736)$

Have a look what the booklet for
Yxy(13.1737, 0.5369, 0.3736)
contains.

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Color

Yxy(13.1911, 0.5376, 0.3736)

Conversions

Conversions Part 1

Format	Color
Hex	A94823
RGB	169, 72, 35
RGB Percent	66%, 28%, 14%
CMY	0.3373, 0.7176, 0.8628
CMYK	0.00, 0.57, 0.79, 0.34
HSL	17°, 66%, 40%
HSV	17°, 79%, 66%
XYZ	18.9816, 13.1911, 3.1354
YIQ	96.7850, 69.6890, 9.0570

Conversions

Conversions Part 2

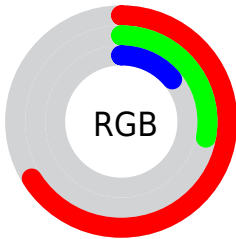
Format	Color
R_{YB}	169, 86, 35
Decimal	11094051
CIE Lab	43.05, 37.73, 40.51
CIE LCh	43, 55.361, 47.030
Yxy	13.1911, 0.5376, 0.3736
Android (android.graphics.Color)	4289284131 (0xFFA94823)
YUV	96.7850, -30.4600, 63.3326
Hunter-Lab	36.3196, 29.7299, 20.3054

Details

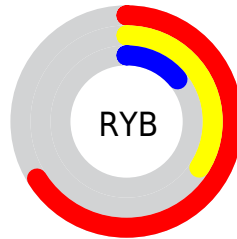
The Yxy color **13.1911, 0.5376, 0.3736** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.7170, 0.2110, 0.2584**, and the grayscale version is **11.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5981, 0.4866, 0.3729**, and **3.8153, 0.6140, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **11.6871, 0.5712, 0.3694**, and if you desaturate by 10%, it is **15.0596, 0.5003, 0.3736**.

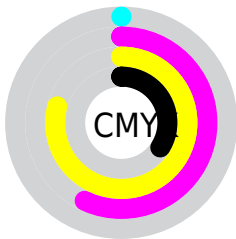
Distribution



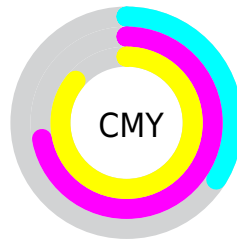
- Red (66%)
- Green (28%)
- Blue (14%)



- Red (66%)
- Yellow (34%)
- Blue (14%)



- Cyan (0%)
- Magenta (57%)
- Yellow (79%)
- Black (34%)





- Cyan (34%)
- Magenta (72%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1911, 0.5376, 0.3736 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 13.1911, 0.5376, 0.3736 by changing the saturation by 10% instead.


 13.1911, 0.5376,
0.3736


 13.1911, 0.5376,
0.3736


212.1388, 0.4059,
0.3599


 7.5603, 0.5741,
0.3691


 31.6467, 0.4859,
0.3731


 3.8149, 0.6355,
0.3645

 45.2402, 0.4675,
0.3712


 1.5706, 0.6769,
0.3231

 62.2568, 0.4524,
0.3692

 0.3376, 0.7949,
0.2051

 83.0808, 0.4399,
0.3671

 0.0000, 1.0000,
0.0000


 108.0966, 0.4293,
0.3651


 0.0000, 0.0000,
0.0000


 137.6886, 0.4204,

0.3632


 172.2412, 0.4126,
0.3615


 13.1911, 0.5376,
0.3736

 13.1911, 0.5376,
0.3736


 11.6871, 0.5712,
0.3694


 15.0596, 0.5003,
0.3736


 10.5141, 0.5988,
0.3617

 17.3138, 0.4630,
0.3702

 10.4421, 0.6007,
0.3612

 19.9755, 0.4282,
0.3645

 23.0643, 0.3971,
0.3575

 26.5985, 0.3702,
0.3500

■ 30.5951, 0.3473,
0.3425

■ 35.0704, 0.3279,
0.3353

■ 40.0398, 0.3117,
0.3285

■ 45.5180, 0.2980,
0.3223

Harmonies

Analogous

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



13.1911, 0.5043, 0.3010



13.1911, 0.5376, 0.3736



13.1911, 0.4963, 0.4526

Triad

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



13.1911, 0.5376, 0.3736



13.1911, 0.2112, 0.4541



13.1911, 0.1917, 0.1676

Complementary

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



13.1911, 0.5376, 0.3736



19.7170, 0.2110, 0.2584

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.



13.1911, 0.1431, 0.1749



13.1911, 0.5376, 0.3736



13.1911, 0.1490, 0.3156

Square

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



13.1911, 0.5376, 0.3736



13.1911, 0.3077, 0.5445



13.1911, 0.1288, 0.2192



13.1911, 0.2802, 0.1893

Rectangle

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



13.1911, 0.5376, 0.3736



13.1911, 0.4421, 0.5043



13.1911, 0.1288, 0.2192



13.1911, 0.1713, 0.1666

Sweetspot

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



13.1918, 0.5376, 0.3736



51.0168, 0.3586, 0.3464



11.3365, 0.3795, 0.2028



10.5981, 0.3666, 0.3489



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.



13.1918, 0.5376, 0.3736



19.3281, 0.5916, 0.3635



26.6538, 0.4453, 0.4616



7.8671, 0.3279, 0.3353



7.8627, 0.5989, 0.3627



0.2753, 0.5362, 0.4125

Inverse Universe

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



19.7170, 0.2110, 0.2584



30.9524, 0.2009, 0.2406



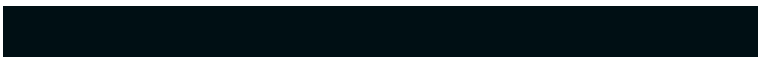
7.1485, 0.1773, 0.1291



8.1764, 0.2987, 0.3226



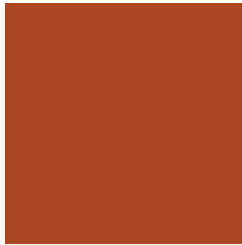
12.6590, 0.1995, 0.2383



0.3870, 0.2088, 0.2717

Previews

White Background



This preview shows how the Yxy color 13.1911, 0.5376, 0.3736 looks on a white background.

Color Contrast Check

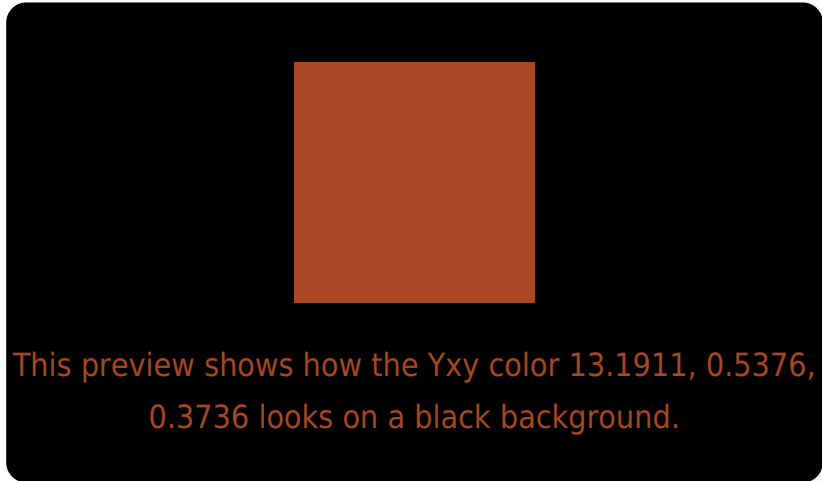
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1911, 0.5376, 0.3736

Background



This preview shows how black text looks on a background with the Yxy color 13.1911, 0.5376, 0.3736.



This preview shows how white text looks on a background with the Yxy color 13.1911, 0.5376, 0.3736.

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

13.1911, 0.5376, 0.3736

Protanopia

13.4523, 0.4087, 0.4497

Deuteranopia

13.2956, 0.4552, 0.4475



Tritanopia

13.1482, 0.4882, 0.3240

Trichromacy



Original Color

13.1911, 0.5376, 0.3736

Protanomaly

12.8758, 0.4578, 0.4198

Deuteranomaly

13.0025, 0.4886, 0.4172

Tritanomaly

13.1181, 0.5096, 0.3429

Monochromacy



Original Color

13.1911, 0.5376, 0.3736

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.6848, 0.3951, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1911, 0.5376, 0.3736 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(169, 72, 35)` looks like.

```
.text, #text, p{  
    color:rgb(169, 72, 35)  
}
```

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(169, 72, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 72, 35) }
```

Border

The CSS property to change the border of an element to Yxy 13.1911, 0.5376, 0.3736 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(169, 72, 35) }
```

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

```
.border{ border-color:rgb(169, 72, 35) }
```

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

Here you see how a box with a 4 pixel rgb(169, 72, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 72, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 72, 35);  
box-shadow:4px 4px 4px 4px rgb(169, 72,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1911, 0.5376, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 72, 35) }
```

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

```
.background{ background-color: rgb(169, 72,  
35) }
```

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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