

Converting Colors

$Y_{xy}(13.7923, 0.5403, 0.3937)$

Have a look what the booklet for
Yxy(13.7923, 0.5403, 0.3937)
contains.

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Color

Yxy(13.8241, 0.5405, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	A84E14
RGB	168, 78, 20
RGB Percent	66%, 31%, 8%
CMY	0.3412, 0.6941, 0.9217
CMYK	0.00, 0.54, 0.88, 0.34
HSL	24°, 79%, 37%
HSV	24°, 88%, 66%
XYZ	18.9980, 13.8241, 2.3269
YIQ	98.2980, 72.2580, 1.0420

Conversions

Conversions Part 2

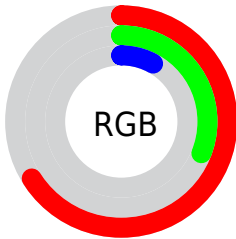
Format	Color
R_{YB}	168, 115, 20
Decimal	11030036
CIE _{Lab}	43.98, 33.81, 47.91
CIE _{LCh}	44, 58.641, 54.790
Yxy	13.8241, 0.5405, 0.3933
Android (android.graphics.Color)	4289220116 (0xFFA84E14)
YUV	98.2980, -38.6009, 61.1287
Hunter-Lab	37.1808, 26.1407, 22.3160

Details

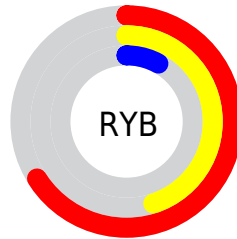
The Yxy color **13.8241, 0.5405, 0.3933** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.1151, 0.1955, 0.2135**, and the grayscale version is **12.3768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8007, 0.4912, 0.3904**, and **4.1299, 0.5961, 0.3649** is the 20% darker color. If you saturate the color by 10%, you get **12.4411, 0.5660, 0.3865**, and if you desaturate by 10%, it is **15.4723, 0.5109, 0.3955**.

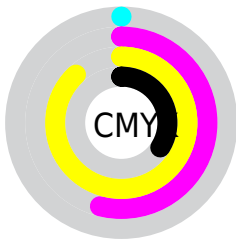
Distribution



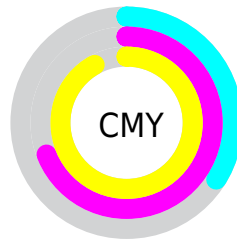
- Red (66%)
- Green (31%)
- Blue (8%)



- Red (66%)
- Yellow (45%)
- Blue (8%)



- Cyan (0%)
- Magenta (54%)
- Yellow (88%)
- Black (34%)





- Cyan (34%)
- Magenta (69%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8241, 0.5405, 0.3933 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 13.8241, 0.5405, 0.3933 by changing the saturation by 10% instead.


 13.8241, 0.5405,
0.3933

 13.8241, 0.5405,
0.3933


216.1338, 0.4108,
0.3709


 7.9984, 0.5738,
0.3898


 32.7766, 0.4914,
0.3905


 4.0939, 0.6193,
0.3807

 46.6722, 0.4732,
0.3875


 1.7263, 0.6562,
0.3438

 64.0266, 0.4582,
0.3843

 0.4406, 0.7486,
0.2514

 85.2241, 0.4455,
0.3812

 0.0000, 1.0000,
0.0000


 110.6492, 0.4348,
0.3783

 0.0000, 0.0000,
0.0000

 140.6863, 0.4256,

0.3756

 175.7197, 0.4177,
0.3731


 13.8241, 0.5405,
0.3933


 13.8241, 0.5405,
0.3933


 12.4411, 0.5660,
0.3865


 15.4723, 0.5109,
0.3955

 12.2064, 0.5707,
0.3851

 17.4032, 0.4789,
0.3929

 19.6328, 0.4470,
0.3867

 22.1746, 0.4168,
0.3780

 25.0415, 0.3894,
0.3679

■ 28.2454, 0.3651,
0.3573

■ 31.7974, 0.3439,
0.3468

■ 35.7083, 0.3256,
0.3368

■ 39.9883, 0.3099,
0.3273

Harmonies

Analogous

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



13.8241, 0.5293, 0.3176



13.8241, 0.5405, 0.3933



13.8241, 0.4811, 0.4761

Triad

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



13.8241, 0.5405, 0.3933



13.8241, 0.1860, 0.4219



13.8241, 0.2069, 0.1658

Complementary

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



13.8241, 0.5405, 0.3933



14.1151, 0.1955, 0.2135

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.



13.8241, 0.1472, 0.1649



13.8241, 0.5405, 0.3933



13.8241, 0.1344, 0.2824

Square

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



13.8241, 0.5405, 0.3933



13.8241, 0.2784, 0.5417



13.8241, 0.1240, 0.1986



13.8241, 0.3087, 0.1950

Rectangle

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



13.8241, 0.5405, 0.3933



13.8241, 0.4194, 0.5277



13.8241, 0.1240, 0.1986



13.8241, 0.1825, 0.1622

Sweetspot

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



13.8249, 0.5405, 0.3933



52.2733, 0.3614, 0.3556



9.9763, 0.4258, 0.2203



10.9524, 0.3689, 0.3591



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.



13.8249, 0.5405, 0.3933



21.7617, 0.5738, 0.3826



30.4190, 0.4346, 0.4843



8.0069, 0.3276, 0.3379



9.3125, 0.5689, 0.3865



0.3266, 0.5094, 0.4338

Inverse Universe

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



14.1151, 0.1955, 0.2135



21.9886, 0.1871, 0.1936



4.3128, 0.1612, 0.0866



8.0307, 0.2987, 0.3199



9.4308, 0.1882, 0.1976



0.3247, 0.2017, 0.2459

Previews

White Background



This preview shows how the Yxy color 13.8241, 0.5405, 0.3933 looks on a white background.

Color Contrast Check

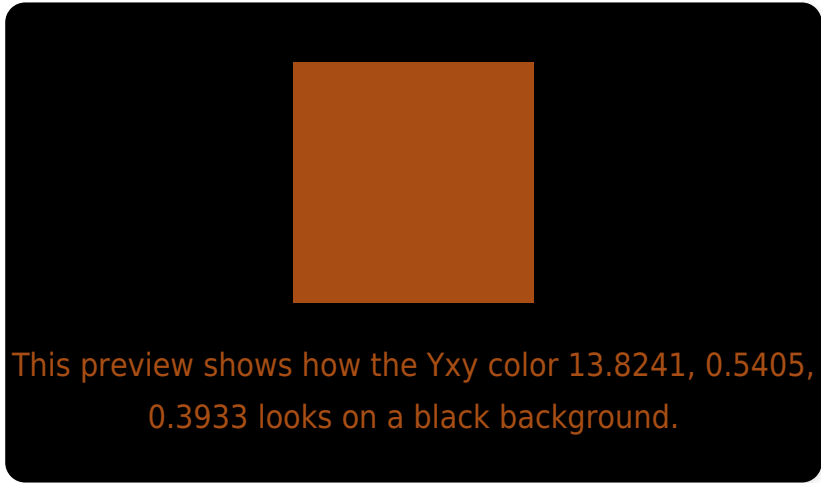
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8241, 0.5405, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 13.8241, 0.5405, 0.3933.



This preview shows how white text looks on a background with the Yxy color 13.8241, 0.5405, 0.3933.

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

13.8241, 0.5405, 0.3933

Protanopia

14.0338, 0.4264, 0.4705

Deuteranopia

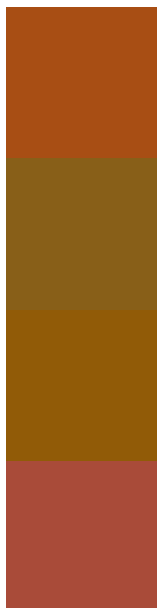
13.8292, 0.4700, 0.4650



Tritanopia

13.8612, 0.4728, 0.3223

Trichromacy



Original Color

13.8241, 0.5405, 0.3933

Protanomaly

13.4846, 0.4709, 0.4406

Deuteranomaly

13.5173, 0.4991, 0.4365

Tritanomaly

13.7626, 0.5046, 0.3540

Monochromacy



Original Color

13.8241, 0.5405, 0.3933

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1353, 0.3992, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8241, 0.5405, 0.3933 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(168, 78, 20)` looks like.

```
.text, #text, p{  
  color:rgb(168, 78, 20)  
}
```

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(168, 78, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 78, 20) }
```

Border

The CSS property to change the border of an element to Yxy 13.8241, 0.5405, 0.3933 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(168, 78, 20) }
```

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

```
.border{ border-color:rgb(168, 78, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 78, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 78, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 78, 20);  
box-shadow:4px 4px 4px 4px rgb(168, 78,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8241, 0.5405, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 78, 20) }
```

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

```
.background{ background-color: rgb(168, 78,  
20) }
```

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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