

Converting Colors

$Y_{xy}(13.9108, 0.5878, 0.3715)$

Have a look what the booklet for
Yxy(13.9108, 0.5878, 0.3715)
contains.

Yxy(13.8844, 0.5878, 0.3715)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8844, 0.5878, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	BA3E00
RGB	186, 62, 0
RGB Percent	73%, 24%, 0%
CMY	0.2707, 0.7567, 1.0000
CMYK	0.00, 0.67, 1.00, 0.27
HSL	20°, 100%, 36%
HSV	20°, 100%, 73%
XYZ	21.9684, 13.8844, 1.5211
YIQ	92.0080, 93.8060, 7.0060

Conversions

Conversions Part 2

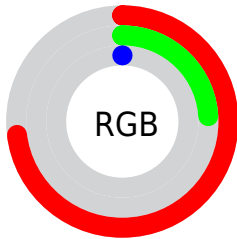
Format	Color
R_{YB}	186, 93, 0
Decimal	12205568
CIE _{Lab}	44.07, 47.94, 55.39
CIE _{LCh}	44, 73.258, 49.126
Yxy	13.8844, 0.5878, 0.3715
Android (android.graphics.Color)	4290395648 (0xFFBA3E00)
YUV	92.0080, -45.3599, 82.4310
Hunter-Lab	37.2618, 40.0299, 23.6629

Details

The Yxy color **13.8844, 0.5878, 0.3715** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.9456, 0.1934, 0.2160**, and the grayscale version is **10.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8710, 0.5331, 0.3788**, and **4.2851, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.8853, 0.5878, 0.3715**, and if you desaturate by 10%, it is **15.4370, 0.5618, 0.3798**.

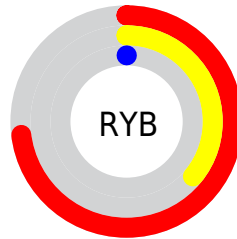
Distribution



Red (73%)

Green (24%)

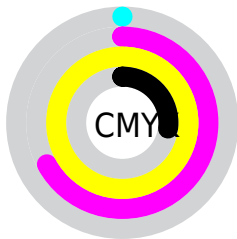
Blue (0%)



Red (73%)

Yellow (36%)

Blue (0%)

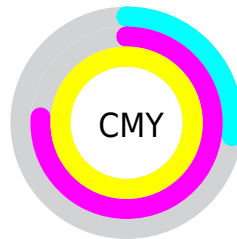


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (76%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8844, 0.5878, 0.3715 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 13.8844, 0.5878, 0.3715 by changing the saturation by 10% instead.


 13.8844, 0.5878,
0.3715

 13.8844, 0.5878,
0.3715


 216.5105, 0.4352,
0.3695


 8.0403, 0.6277,
0.3618


 32.8838, 0.5323,
0.3791


 4.1208, 0.6647,
0.3353


 46.8078, 0.5110,
0.3791


 1.7413, 0.7096,
0.2904


 64.1940, 0.4930,
0.3781

 0.4502, 0.8041,
0.1959

 85.4267, 0.4778,
0.3766

 0.0000, 1.0000,
0.0000


 110.8903, 0.4648,
0.3749


 0.0000, 0.0000,
0.0000


 140.9692, 0.4535,


0.3731


 176.0478, 0.4438,
0.3712

 13.8844, 0.5878,
0.3715


 13.8844, 0.5878,
0.3715


 13.8853, 0.5878,
0.3715

 15.4370, 0.5618,
0.3798

 17.3589, 0.5306,
0.3842

 19.6847, 0.4959,
0.3838

 22.4389, 0.4608,
0.3795

 25.6433, 0.4276,
0.3726

■ 29.3183, 0.3976,
0.3642

■ 33.4830, 0.3712,
0.3551

■ 38.1553, 0.3485,
0.3460

■ 43.3519, 0.3292,
0.3373

Harmonies

Analogous

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



13.8844, 0.5643, 0.2917



13.8844, 0.5878, 0.3715



13.8844, 0.5213, 0.4692

Triad

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



13.8844, 0.5878, 0.3715



13.8844, 0.1732, 0.4839



13.8844, 0.1700, 0.1371

Complementary

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



13.8844, 0.5878, 0.3715



17.9456, 0.1934, 0.2160

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.



13.8844, 0.1135, 0.1407



13.8844, 0.5878, 0.3715



13.8844, 0.1097, 0.2934

Square

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



13.8844, 0.5878, 0.3715



13.8844, 0.2831, 0.6134



13.8844, 0.0943, 0.1834



13.8844, 0.2783, 0.1637

Rectangle

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



13.8844, 0.5878, 0.3715



13.8844, 0.4485, 0.5416



13.8844, 0.0943, 0.1834



13.8844, 0.1462, 0.1348

Sweetspot

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



13.8853, 0.5878, 0.3715



60.3095, 0.3724, 0.3556



11.8912, 0.4274, 0.2128



12.5564, 0.3832, 0.3594



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



13.8853, 0.5878, 0.3715



24.7772, 0.5906, 0.3692



33.8730, 0.4522, 0.4792



9.4886, 0.3280, 0.3367



9.4688, 0.5854, 0.3734



0.4507, 0.5343, 0.4139

Inverse Universe

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



17.9456, 0.1934, 0.2160



32.0719, 0.1928, 0.2141



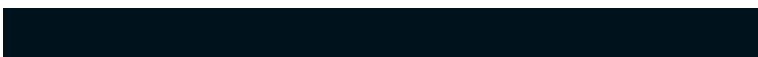
4.5240, 0.1541, 0.0745



9.6922, 0.2985, 0.3212



12.2185, 0.1938, 0.2177



0.5395, 0.2027, 0.2498

Previews

White Background



This preview shows how the Yxy color 13.8844, 0.5878, 0.3715 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 13.8844, 0.5878, 0.3715 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 13.8844, 0.5878, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 13.8844, 0.5878, 0.3715.



This preview shows how white text looks on a background with the Yxy color 13.8844, 0.5878, 0.3715.

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

13.8844, 0.5878, 0.3715

Protanopia

14.0052, 0.4309, 0.4771

Deuteranopia

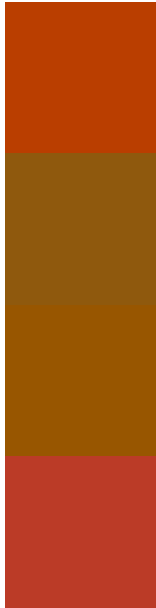
14.1009, 0.4696, 0.4653



Tritanopia

13.9278, 0.5354, 0.3264

Trichromacy



Original Color

13.8844, 0.5878, 0.3715

Protanomaly

13.0135, 0.4976, 0.4325

Deuteranomaly

13.3310, 0.5196, 0.4256

Tritanomaly

13.8392, 0.5652, 0.3488

Monochromacy



Original Color

13.8844, 0.5878, 0.3715

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.6362, 0.4326, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8844, 0.5878, 0.3715 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(186, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 62, 0)  
}
```

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(186, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 62, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8844, 0.5878, 0.3715 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(186, 62, 0) }
```

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

```
.border{ border-color:rgb(186, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 62, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8844, 0.5878, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 62, 0) }
```

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

```
.background{ background-color: rgb(186, 62,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor