

Converting Colors

$Y_{xy}(13.2436, 0.5908, 0.3571)$

Have a look what the booklet for
Yxy(13.2436, 0.5908, 0.3571)
contains.

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Color

Yxy(13.2436, 0.5908, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	BB3611
RGB	187, 54, 17
RGB Percent	73%, 21%, 7%
CMY	0.2667, 0.7881, 0.9333
CMYK	0.00, 0.71, 0.91, 0.27
HSL	13°, 83%, 40%
HSV	13°, 91%, 73%
XYZ	21.9107, 13.2436, 1.9322
YIQ	89.5490, 91.1450, 16.6890

Conversions

Conversions Part 2

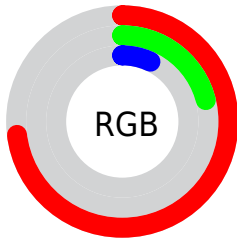
Format	Color
R_{YB}	187, 64, 17
Decimal	12269073
CIE Lab	43.13, 51.72, 49.78
CIE LCh	43, 71.781, 43.905
Yxy	13.2436, 0.5908, 0.3571
Android (android.graphics.Color)	4290459153 (0xFFBB3611)
YUV	89.5490, -35.7667, 85.4645
Hunter-Lab	36.3918, 43.7856, 22.3262

Details

The Yxy color **13.2436, 0.5908, 0.3571** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **25.5066, 0.2083, 0.2644**, and the grayscale version is **10.1877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8399, 0.5318, 0.3662**, and **4.3600, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.1295, 0.6144, 0.3503**, and if you desaturate by 10%, it is **14.9024, 0.5571, 0.3623**.

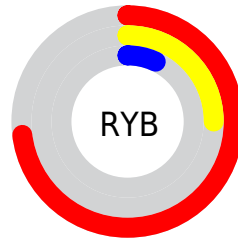
Distribution



Red (73%)

Green (21%)

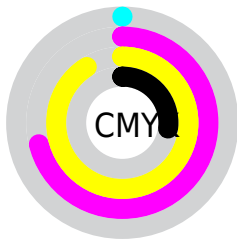
Blue (7%)



Red (73%)

Yellow (25%)

Blue (7%)

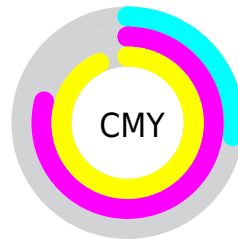


Cyan (0%)

Magenta (71%)

Yellow (91%)

Black (27%)



Cyan (27%)


Magenta (79%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2436, 0.5908, 0.3571 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 13.2436, 0.5908, 0.3571 by changing the saturation by 10% instead.


 13.2436, 0.5908,
0.3571


 13.2436, 0.5908,
0.3571


212.4730, 0.4328,
0.3610


 7.5965, 0.6317,
0.3450


 31.7407, 0.5316,
0.3662

 3.8379, 0.6795,
0.3205

 45.3596, 0.5095,
0.3670


 1.5833, 0.7279,
0.2721

 62.4044, 0.4911,
0.3667

 0.3463, 0.8413,
0.1587

 83.2597, 0.4756,
0.3659


 0.0000, 1.0000,
0.0000


 108.3098, 0.4624,
0.3648


 0.0000, 0.0000,
0.0000


 137.9391, 0.4511,


0.3636


 172.5321, 0.4414,
0.3623


 13.2436, 0.5908,
0.3571


 13.2436, 0.5908,
0.3571


 12.1295, 0.6144,
0.3503

 14.9024, 0.5571,
0.3623

 17.0628, 0.5177,
0.3638

 19.7634, 0.4774,
0.3621

 23.0386, 0.4393,
0.3581

 26.9196, 0.4054,
0.3527

■ 31.4353, 0.3762,
0.3468

■ 36.6128, 0.3517,
0.3408

■ 42.4776, 0.3311,
0.3349

■ 49.0538, 0.3141,
0.3295

Harmonies

Analogous

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



13.2436, 0.5471, 0.2788



13.2436, 0.5908, 0.3571



13.2436, 0.5366, 0.4506

Triad

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



13.2436, 0.5908, 0.3571



13.2436, 0.1905, 0.5164



13.2436, 0.1574, 0.1360

Complementary

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



13.2436, 0.5908, 0.3571



25.5066, 0.2083, 0.2644

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.



13.2436, 0.1083, 0.1454



13.2436, 0.5908, 0.3571



13.2436, 0.1174, 0.3221

Square

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



13.2436, 0.5908, 0.3571



13.2436, 0.3047, 0.6152



13.2436, 0.0949, 0.1972



13.2436, 0.2555, 0.1574

Rectangle

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



13.2436, 0.5908, 0.3571



13.2436, 0.4692, 0.5232



13.2436, 0.0949, 0.1972



13.2436, 0.1364, 0.1355

Sweetspot

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



13.2444, 0.5908, 0.3571



59.3899, 0.3672, 0.3447



13.1708, 0.3773, 0.1896



12.4083, 0.3761, 0.3468



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.



13.2444, 0.5908, 0.3571



21.4462, 0.6168, 0.3484



29.0172, 0.4702, 0.4579



9.8643, 0.3283, 0.3341



8.4483, 0.6125, 0.3519



0.4298, 0.5659, 0.3889

Inverse Universe

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



25.5066, 0.2083, 0.2644



43.0306, 0.2045, 0.2560



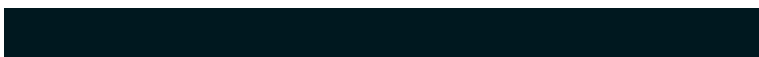
7.5065, 0.1670, 0.1129



10.4473, 0.2985, 0.3239



16.8035, 0.2051, 0.2582



0.7474, 0.2103, 0.2770

Previews

White Background



This preview shows how the Yxy color 13.2436, 0.5908, 0.3571 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 13.2436, 0.5908, 0.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

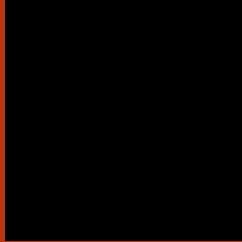
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2436, 0.5908, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 13.2436, 0.5908, 0.3571.



This preview shows how white text looks on a background with the Yxy color 13.2436, 0.5908, 0.3571.

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

13.2436, 0.5908, 0.3571

Protanopia

13.4340, 0.4232, 0.4682

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.3161, 0.5554, 0.3277

Trichromacy



Original Color

13.2436, 0.5908, 0.3571

Protanomaly

12.2299, 0.4941, 0.4194

Deuteranomaly

12.6270, 0.5233, 0.4179

Tritanomaly

13.3006, 0.5724, 0.3406

Monochromacy



Original Color

13.2436, 0.5908, 0.3571

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.0266, 0.4283, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2436, 0.5908, 0.3571 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(187, 54, 17)` looks like.

```
.text, #text, p{  
    color:rgb(187, 54, 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(187, 54, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 54, 17) }
```

Border

The CSS property to change the border of an element to Yxy 13.2436, 0.5908, 0.3571 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(187, 54, 17) }
```

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

```
.border{ border-color:rgb(187, 54, 17) }
```

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

Here you see how a box with a 4 pixel rgb(187, 54, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 54, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 54, 17);  
box-shadow:4px 4px 4px 4px rgb(187, 54,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2436, 0.5908, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 54, 17) }
```

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

```
.background{ background-color: rgb(187, 54,  
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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