

Converting Colors

$Y_{xy}(13.7698, 0.5860, 0.3671)$

Have a look what the booklet for
Yxy(13.7698, 0.5860, 0.3671)
contains.

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Color

Yxy(13.7963, 0.5854, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	BA3D09
RGB	186, 61, 9
RGB Percent	73%, 24%, 4%
CMY	0.2705, 0.7608, 0.9646
CMYK	0.00, 0.67, 0.95, 0.27
HSL	18°, 91%, 38%
HSV	18°, 95%, 73%
XYZ	21.9705, 13.7963, 1.7639
YIQ	92.4470, 91.1920, 10.3280

Conversions

Conversions Part 2

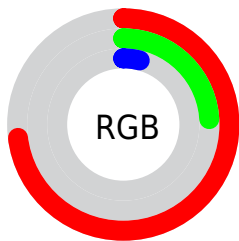
Format	Color
R _Y B	186, 83, 9
Decimal	12205321
CIE Lab	43.94, 48.50, 52.74
CIE LCh	44, 71.647, 47.398
Yxy	13.7963, 0.5854, 0.3676
Android (android.graphics.Color)	4290395401 (0xFFBA3D09)
YUV	92.4470, -41.1394, 82.0460
Hunter-Lab	37.1434, 40.5828, 23.1847

Details

The Yxy color **13.7963, 0.5854, 0.3676** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.6664, 0.1996, 0.2356**, and the grayscale version is **10.8925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7490, 0.5279, 0.3753**, and **4.2851, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1372, 0.5978, 0.3636**, and if you desaturate by 10%, it is **15.4379, 0.5562, 0.3747**.

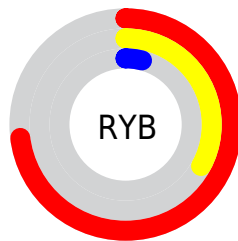
Distribution



Red (73%)

Green (24%)

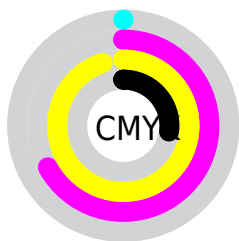
Blue (4%)



Red (73%)

Yellow (33%)

Blue (4%)

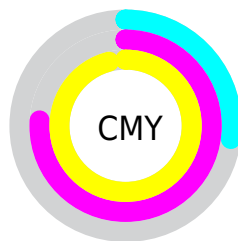


Cyan (0%)

Magenta (67%)

Yellow (95%)

Black (27%)



Cyan (27%)


Magenta (76%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7963, 0.5854, 0.3676 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 13.7963, 0.5854, 0.3676 by changing the saturation by 10% instead.


 13.7963, 0.5854,
0.3676


 13.7963, 0.5854,
0.3676


 215.9599, 0.4326,
0.3663


 7.9791, 0.6247,
0.3573


 32.7272, 0.5290,
0.3749


 4.0816, 0.6668,
0.3332

 46.6096, 0.5076,
0.3750

 1.7193, 0.7123,
0.2877

 63.9493, 0.4897,
0.3741

 0.4361, 0.8090,
0.1910

 85.1306, 0.4746,
0.3728

 0.0000, 1.0000,
0.0000

 110.5379, 0.4617,
0.3712


 0.0000, 0.0000,
0.0000


 140.5557, 0.4506,


0.3695

 175.5682, 0.4410,
0.3679


 13.7963, 0.5854,
0.3676


 13.7963, 0.5854,
0.3676

 13.1372, 0.5978,
0.3636

 15.4379, 0.5562,
0.3747

 17.5000, 0.5212,
0.3772

 20.0135, 0.4841,
0.3756

 23.0051, 0.4480,
0.3708

 26.4991, 0.4149,
0.3640

■ 30.5182, 0.3856,
0.3562

■ 35.0835, 0.3604,
0.3481

■ 40.2151, 0.3390,
0.3402

■ 45.9318, 0.3209,
0.3327

Harmonies

Analogous

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



13.7963, 0.5548, 0.2886



13.7963, 0.5854, 0.3676



13.7963, 0.5241, 0.4623

Triad

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



13.7963, 0.5854, 0.3676



13.7963, 0.1813, 0.4915



13.7963, 0.1676, 0.1389

Complementary

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



13.7963, 0.5854, 0.3676



20.6664, 0.1996, 0.2356

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.



13.7963, 0.1139, 0.1445



13.7963, 0.5854, 0.3676



13.7963, 0.1147, 0.3036

Square

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



13.7963, 0.5854, 0.3676



13.7963, 0.2918, 0.6090



13.7963, 0.0968, 0.1901



13.7963, 0.2715, 0.1636

Rectangle

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



13.7963, 0.5854, 0.3676



13.7963, 0.4543, 0.5330



13.7963, 0.0968, 0.1901



13.7963, 0.1449, 0.1372

Sweetspot

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



13.7971, 0.5854, 0.3676



59.8745, 0.3708, 0.3516



12.4105, 0.4028, 0.2017



12.4179, 0.3819, 0.3551



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.



13.7971, 0.5854, 0.3676



23.4447, 0.6006, 0.3613



31.5357, 0.4596, 0.4700



9.4305, 0.3281, 0.3358



8.9517, 0.5955, 0.3654



0.4264, 0.5434, 0.4067

Inverse Universe

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



20.6664, 0.1996, 0.2356



35.5967, 0.1968, 0.2286



5.6667, 0.1596, 0.0904



9.7531, 0.2985, 0.3221



13.5103, 0.1977, 0.2318



0.5778, 0.2055, 0.2598

Previews

White Background



This preview shows how the Yxy color 13.7963, 0.5854, 0.3676 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 13.7963, 0.5854, 0.3676 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 13.7963, 0.5854, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 13.7963, 0.5854, 0.3676.



This preview shows how white text looks on a background with the Yxy color 13.7963, 0.5854, 0.3676.

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

13.7963, 0.5854, 0.3676

Protanopia

14.0126, 0.4298, 0.4754

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.8173, 0.5380, 0.3264

Trichromacy



Original Color

13.7963, 0.5854, 0.3676

Protanomaly

13.0249, 0.4954, 0.4301

Deuteranomaly

13.1790, 0.5202, 0.4228

Tritanomaly

13.7510, 0.5640, 0.3461

Monochromacy



Original Color

13.7963, 0.5854, 0.3676

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.6683, 0.4275, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7963, 0.5854, 0.3676 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, 61, 9)` looks like.

```
.text, #text, p{  
    color:rgb(186, 61, 9)  
}
```

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, 61, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 61, 9) }
```

Border

The CSS property to change the border of an element to Yxy 13.7963, 0.5854, 0.3676 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, 61, 9) }
```

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

```
.border{ border-color:rgb(186, 61, 9) }
```

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

Here you see how a box with a 4 pixel rgb(186, 61, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 61, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 61, 9);  
box-shadow:4px 4px 4px 4px rgb(186, 61, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7963, 0.5854, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 61, 9) }
```

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

```
.background{ background-color: rgb(186, 61,  
9) }
```

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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