

Converting Colors

$Y_{xy}(13.8221, 0.3689, 0.3398)$

Have a look what the booklet for
Yxy(13.8221, 0.3689, 0.3398)
contains.

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Color

Yxy(13.8939, 0.3697, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	80615B
RGB	128, 97, 91
RGB Percent	50%, 38%, 36%
CMY	0.4981, 0.6196, 0.6431
CMYK	0.00, 0.24, 0.29, 0.50
HSL	10°, 17%, 43%
HSV	10°, 29%, 50%
XYZ	15.0633, 13.8939, 11.7874
YIQ	105.5850, 20.4020, 4.7060

Conversions

Conversions Part 2

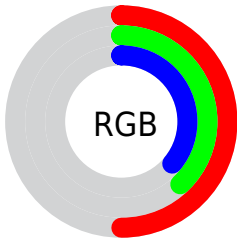
Format	Color
R_{YB}	128, 98, 91
Decimal	8413531
CIE _{Lab}	44.08, 11.61, 8.27
CIE _{LCh}	44, 14.256, 35.445
Yxy	13.8939, 0.3697, 0.3410
Android (android.graphics.Color)	4286603611 (0xFF80615B)
YUV	105.5850, -7.1904, 19.6580
Hunter-Lab	37.2745, 6.9045, 7.3428

Details

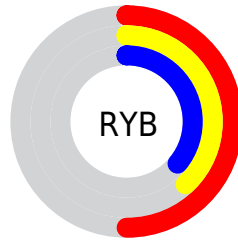
The Yxy color **13.8939, 0.3697, 0.3410** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **17.6969, 0.2714, 0.3166**, and the grayscale version is **14.3098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0480, 0.3558, 0.3390**, and **4.0904, 0.4008, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **11.8427, 0.3976, 0.3454**, and if you desaturate by 10%, it is **16.2518, 0.3464, 0.3366**.

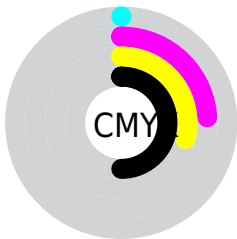
Distribution



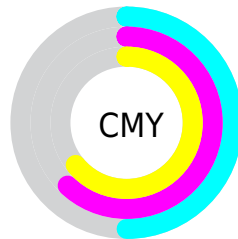
- Red (50%)
- Green (38%)
- Blue (36%)



- Red (50%)
- Yellow (38%)
- Blue (36%)



- Cyan (0%)
- Magenta (24%)
- Yellow (29%)
- Black (50%)





- Cyan (50%)
- Magenta (62%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8939, 0.3697, 0.3410 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 13.8939, 0.3697, 0.3410 by changing the saturation by 10% instead.


 13.8939, 0.3697,
0.3410


 13.8939, 0.3697,
0.3410


216.5698, 0.3353,
0.3344


 8.0469, 0.3813,
0.3428


 32.9007, 0.3553,
0.3385


 4.1250, 0.3986,
0.3450

 46.8292, 0.3505,
0.3376

 1.7437, 0.4275,
0.3477

 64.2204, 0.3467,
0.3368

 0.4517, 0.6121,
0.3879

 85.4586, 0.3436,
0.3362

 0.0000, 0.0000,
0.0000

110.9283, 0.3410,
0.3356

141.0138, 0.3388,

0.3352

176.0995, 0.3369,
0.3348

■ 13.8939, 0.3697,
0.3410

■ 13.8939, 0.3697,
0.3410

■ 11.8427, 0.3976,
0.3454

■ 16.2518, 0.3464,
0.3366

■ 10.0839, 0.4304,
0.3494

■ 18.9264, 0.3271,
0.3325

■ 8.6044, 0.4678,
0.3526

■ 21.9296, 0.3111,
0.3286

■ 7.3899, 0.5085,
0.3544

■ 25.2719, 0.2978,
0.3250

■ 6.4244, 0.5496,
0.3539

■ 28.9637, 0.2868,
0.3217

■ 5.6904, 0.5864,
0.3507

■ 33.0145, 0.2776,
0.3188

■ 5.1633, 0.6166,
0.3463

■ 37.4339, 0.2699,
0.3161

■ 5.1157, 0.6198,
0.3460

■ 42.2307, 0.2633,
0.3136

■ 47.4138, 0.2577,
0.3114

Harmonies

Analogous

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



13.8939, 0.3527, 0.3162



13.8939, 0.3697, 0.3410



13.8939, 0.3704, 0.3641

Triad

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



13.8939, 0.3697, 0.3410



13.8939, 0.2987, 0.3667



13.8939, 0.2707, 0.2804

Complementary

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



13.8939, 0.3697, 0.3410



17.6969, 0.2714, 0.3166

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.



13.8939, 0.2579, 0.2909



13.8939, 0.3697, 0.3410



13.8939, 0.2735, 0.3408

Square

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



13.8939, 0.3697, 0.3410



13.8939, 0.3286, 0.3810



13.8939, 0.2589, 0.3126



13.8939, 0.2949, 0.2823

Rectangle

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



13.8939, 0.3697, 0.3410



13.8939, 0.3617, 0.3756



13.8939, 0.2589, 0.3126



13.8939, 0.2650, 0.2825

Sweetspot

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



13.8945, 0.3697, 0.3410



33.1746, 0.3276, 0.3326



13.4875, 0.3238, 0.2699



7.6219, 0.3299, 0.3331



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.8945, 0.3697, 0.3410



21.9155, 0.3885, 0.3440



17.6141, 0.3605, 0.3752



4.4484, 0.3274, 0.3326



5.0757, 0.6198, 0.3461



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.6969, 0.2714, 0.3166



29.8049, 0.2623, 0.3132



13.6731, 0.2674, 0.2780



4.7718, 0.2993, 0.3254



12.0202, 0.2106, 0.2782



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.8939, 0.3697, 0.3410 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 13.8939, 0.3697, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

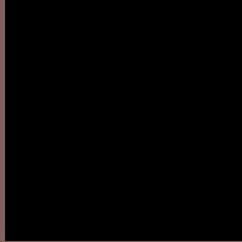
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8939, 0.3697, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 13.8939, 0.3697, 0.3410.



This preview shows how white text looks on a background with the Yxy color 13.8939, 0.3697, 0.3410.

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

13.8939, 0.3697, 0.3410

Protanopia

13.9781, 0.3320, 0.3484

Deuteranopia

14.0386, 0.3569, 0.3517



Tritanopia

13.8308, 0.3536, 0.3136

Trichromacy



Original Color

13.8939, 0.3697, 0.3410

Protanomaly

13.8285, 0.3449, 0.3437

Deuteranomaly

14.0635, 0.3620, 0.3494

Tritanomaly

13.9337, 0.3594, 0.3233

Monochromacy



Original Color

13.8939, 0.3697, 0.3410

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.2175, 0.3314, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8939, 0.3697, 0.3410 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(128, 97, 91)` looks like.

```
.text, #text, p{  
    color:rgb(128, 97, 91)  
}
```

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(128, 97, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 97, 91) }
```

Border

The CSS property to change the border of an element to Yxy 13.8939, 0.3697, 0.3410 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(128, 97, 91) }
```

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

```
.border{ border-color:rgb(128, 97, 91) }
```

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

Here you see how a box with a 4 pixel rgb(128, 97, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 97, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 97, 91);  
box-shadow:4px 4px 4px 4px rgb(128, 97,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8939, 0.3697, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 97, 91) }
```

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

```
.background{ background-color: rgb(128, 97,  
91) }
```

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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