

Converting Colors

$Y_{xy}(10.1045, 0.4335, 0.3359)$

Have a look what the booklet for
Yxy(10.1045, 0.4335, 0.3359)
contains.

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Color

Yxy(10.1813, 0.4345, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	854945
RGB	133, 73, 69
RGB Percent	52%, 29%, 27%
CMY	0.4785, 0.7137, 0.7294
CMYK	0.00, 0.45, 0.48, 0.48
HSL	4°, 32%, 40%
HSV	4°, 48%, 52%
XYZ	13.1269, 10.1813, 6.9033
YIQ	90.4840, 37.0440, 11.4760

Conversions

Conversions Part 2

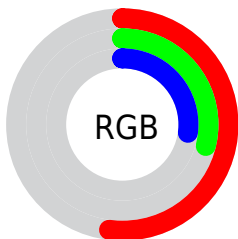
Format	Color
RYB	133, 73, 69
Decimal	8735045
CIELab	38.17, 24.98, 13.64
CIElCh	38, 28.459, 28.638
Yxy	10.1813, 0.4345, 0.3370
Android (android.graphics.Color)	4286925125 (0xFF854945)
YUV	90.4840, -10.5916, 37.2865
Hunter-Lab	31.9081, 17.5952, 9.5083




Details

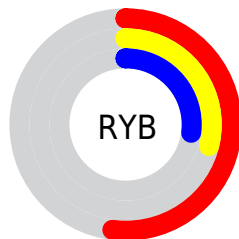
The Yxy color **10.1813, 0.4345, 0.3370** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **18.6477, 0.2497, 0.3204**, and the grayscale version is **10.3577, 0.3127, 0.3290**.




A 20% lighter version of the original color is **26.2691, 0.4021, 0.3376**, and **2.5639, 0.5036, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **8.5575, 0.4751, 0.3382**, and if you desaturate by 10%, it is **12.1713, 0.3993, 0.3354**.

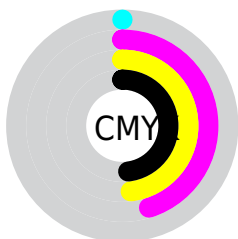
Distribution







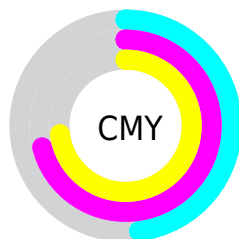
-  Red (52%)
-  Green (29%)
-  Blue (27%)






-  Red (52%)
-  Yellow (29%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (45%)
-  Yellow (48%)
-  Black (48%)





-  Cyan (48%)
-  Magenta (71%)
-  Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1813, 0.4345, 0.3370 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 10.1813, 0.4345, 0.3370 by changing the saturation by 10% instead.


 10.1813, 0.4345,
0.3370


 10.1813, 0.4345,
0.3370


191.9612, 0.3579,
0.3346


 5.5193, 0.4620,
0.3358

 26.1360, 0.4014,
0.3370


 2.5551, 0.5044,
0.3317

 38.1974, 0.3907,
0.3367


 0.9041, 0.6366,
0.3515

 53.4942, 0.3823,
0.3363

 0.0000, 1.0000,
0.0000

 72.4106, 0.3755,
0.3359

 0.0000, 0.0000,
0.0000

 95.3312, 0.3700,
0.3355

122.6402, 0.3653,

0.3352

154.7220, 0.3613,
0.3349

■ 10.1813, 0.4345,
0.3370

■ 10.1813, 0.4345,
0.3370

■ 8.5575, 0.4751,
0.3382

■ 12.1713, 0.3993,
0.3354

■ 7.2763, 0.5194,
0.3388

■ 14.5465, 0.3698,
0.3337

■ 6.3134, 0.5634,
0.3384


■ 17.3261, 0.3457,
0.3319

■ 5.6410, 0.6012,
0.3367


■ 20.5277, 0.3260,
0.3303


■ 5.2229, 0.6287,
0.3351

■ 24.1681, 0.3099,
0.3287

 5.1660, 0.6334,
0.3353

 28.2627, 0.2969,
0.3273

 32.8266, 0.2862,
0.3261

 37.8739, 0.2774,
0.3249

 43.4184, 0.2701,
0.3239

Harmonies

Analogous

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



10.1813, 0.3885, 0.2895



10.1813, 0.4345, 0.3370



10.1813, 0.4424, 0.3870

Triad

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



10.1813, 0.4345, 0.3370



10.1813, 0.2931, 0.4288



10.1813, 0.2161, 0.2294

Complementary

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



10.1813, 0.4345, 0.3370



18.6477, 0.2497, 0.3204

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.



10.1813, 0.1972, 0.2525



10.1813, 0.4345, 0.3370



10.1813, 0.2376, 0.3691

Square

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



10.1813, 0.4345, 0.3370



10.1813, 0.3572, 0.4502



10.1813, 0.2041, 0.3016



10.1813, 0.2594, 0.2302

Rectangle

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



10.1813, 0.4345, 0.3370



10.1813, 0.4260, 0.4174



10.1813, 0.2041, 0.3016



10.1813, 0.2070, 0.2342

Sweetspot

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



10.1818, 0.4345, 0.3370



33.1241, 0.3377, 0.3313



10.8466, 0.3230, 0.2215



7.2294, 0.3415, 0.3316



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



10.1818, 0.4345, 0.3370



15.0216, 0.4803, 0.3384



15.3528, 0.4046, 0.3954



4.7322, 0.3278, 0.3304



4.9271, 0.6332, 0.3354



0.0199, 0.6047, 0.3581

Inverse Universe

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



18.6477, 0.2497, 0.3204



32.1102, 0.2393, 0.3182



11.6540, 0.2371, 0.2504



5.2301, 0.2992, 0.3276



15.5030, 0.2194, 0.3099



0.0575, 0.2222, 0.3200

Previews

White Background



This preview shows how the Yxy color 10.1813, 0.4345, 0.3370 looks on a white background.

Color Contrast Check

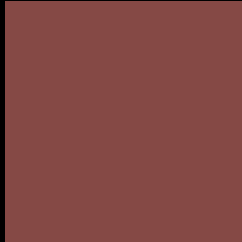
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1813, 0.4345, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

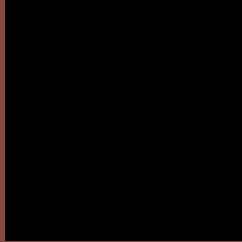
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1813, 0.4345, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 10.1813, 0.4345, 0.3370.

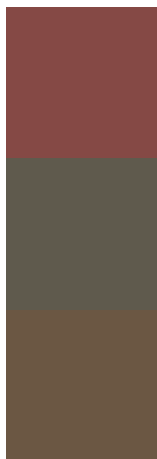


This preview shows how white text looks on a background with the Yxy color 10.1813, 0.4345, 0.3370.

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

10.1813, 0.4345, 0.3370

Protanopia

10.2810, 0.3410, 0.3609

Deuteranopia

10.3474, 0.3801, 0.3751



Tritanopia

10.2389, 0.4213, 0.3198

Trichromacy



Original Color

10.1813, 0.4345, 0.3370

Protanomaly

10.0863, 0.3738, 0.3519

Deuteranomaly

10.1649, 0.3985, 0.3596

Tritanomaly

10.1975, 0.4273, 0.3256

Monochromacy



Original Color

10.1813, 0.4345, 0.3370

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.0140, 0.3545, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1813, 0.4345, 0.3370 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(133, 73, 69)` looks like.

```
.text, #text, p{  
    color:rgb(133, 73, 69)  
}
```

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(133, 73, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 73, 69) }
```

Border

The CSS property to change the border of an element to Yxy 10.1813, 0.4345, 0.3370 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(133, 73, 69) }
```

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

```
.border{ border-color:rgb(133, 73, 69) }
```

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

Here you see how a box with a 4 pixel rgb(133, 73, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 73, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 73, 69);  
box-shadow:4px 4px 4px 4px rgb(133, 73,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1813, 0.4345, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 73, 69) }
```

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

```
.background{ background-color: rgb(133, 73,  
69) }
```

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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