

Converting Colors

$Y_{xy}(15.0873, 0.3644, 0.3319)$

Have a look what the booklet for
Yxy(15.0873, 0.3644, 0.3319)
contains.

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Color

Yxy(15.0017, 0.3637, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	856463
RGB	133, 100, 99
RGB Percent	52%, 39%, 39%
CMY	0.4785, 0.6078, 0.6118
CMYK	0.00, 0.25, 0.26, 0.48
HSL	2°, 15%, 45%
HSV	2°, 26%, 52%
XYZ	16.4788, 15.0017, 13.8282
YIQ	109.7530, 19.9890, 6.6850

Conversions

Conversions Part 2

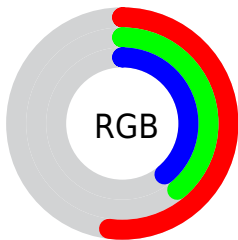
Format	Color
R_{YB}	133, 100, 99
Decimal	8741987
CIE Lab	45.64, 13.13, 5.74
CIE LCh	46, 14.329, 23.612
Yxy	15.0017, 0.3637, 0.3311
Android (android.graphics.Color)	4286932067 (0xFF856463)
YUV	109.7530, -5.3012, 20.3876
Hunter-Lab	38.7320, 8.1628, 5.9446

Details

The Yxy color **15.0017, 0.3637, 0.3311** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.8333, 0.2765, 0.3269**, and the grayscale version is **15.5294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9000, 0.3510, 0.3305**, and **4.6422, 0.3889, 0.3292** is the 20% darker color. If you saturate the color by 10%, you get **12.4872, 0.3923, 0.3320**, and if you desaturate by 10%, it is **17.9511, 0.3404, 0.3302**.

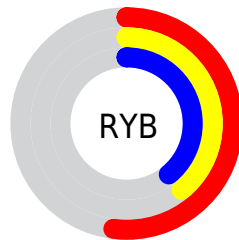
Distribution



Red (52%)

Green (39%)

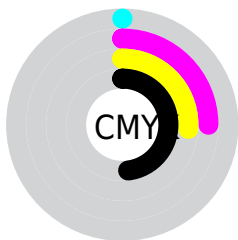
Blue (39%)



Red (52%)

Yellow (39%)

Blue (39%)

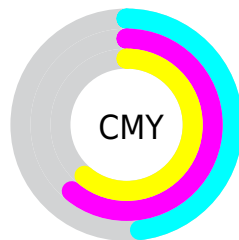


Cyan (0%)

Magenta (25%)

Yellow (26%)

Black (48%)



Cyan (48%)


Magenta (61%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0017, 0.3637, 0.3311 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 15.0017, 0.3637, 0.3311 by changing the saturation by 10% instead.


 15.0017, 0.3637,
0.3311


 15.0017, 0.3637,
0.3311


223.3765, 0.3332,
0.3303


 8.8206, 0.3737,
0.3311


 34.8562, 0.3511,
0.3309


 4.6243, 0.3886,
0.3308

 49.2983, 0.3468,
0.3308

 2.0286, 0.4130,
0.3298

 67.2629, 0.3434,
0.3307

 0.6240, 0.5037,
0.3433

 89.1343, 0.3407,
0.3306

 0.0000, 0.0000,
0.0000

115.2970, 0.3383,
0.3305

146.1353, 0.3364,

0.3304

182.0337, 0.3347,
0.3304

■ 15.0017, 0.3637,
0.3311

■ 15.0017, 0.3637,
0.3311

■ 12.4872, 0.3923,
0.3320

■ 17.9511, 0.3404,
0.3302

■ 10.3851, 0.4268,
0.3328

■ 21.3524, 0.3216,
0.3294

■ 8.6739, 0.4671,
0.3335


■ 25.2242, 0.3063,
0.3287

■ 7.3297, 0.5118,
0.3339


■ 29.5835, 0.2940,
0.3280


■ 6.3255, 0.5570,
0.3339


■ 34.4463, 0.2839,
0.3274

 5.6309, 0.5969,
0.3332

 39.8282, 0.2756,
0.3268

 5.2091, 0.6257,
0.3323

 45.7438, 0.2687,
0.3264

 5.0718, 0.6368,
0.3325

 52.2072, 0.2630,
0.3259

 59.2321, 0.2582,
0.3255

Harmonies

Analogous

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



15.0017, 0.3420, 0.3077



15.0017, 0.3637, 0.3311



15.0017, 0.3710, 0.3551

Triad

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



15.0017, 0.3637, 0.3311



15.0017, 0.3105, 0.3732



15.0017, 0.2651, 0.2840

Complementary

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



15.0017, 0.3637, 0.3311



20.8333, 0.2765, 0.3269

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.



15.0017, 0.2577, 0.2989



15.0017, 0.3637, 0.3311



15.0017, 0.2831, 0.3513

Square

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



15.0017, 0.3637, 0.3311



15.0017, 0.3393, 0.3812



15.0017, 0.2641, 0.3235



15.0017, 0.2848, 0.2811

Rectangle

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



15.0017, 0.3637, 0.3311



15.0017, 0.3666, 0.3686



15.0017, 0.2641, 0.3235



15.0017, 0.2611, 0.2877

Sweetspot

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



15.0024, 0.3637, 0.3311



36.5748, 0.3261, 0.3296



15.5831, 0.3163, 0.2690



8.0527, 0.3286, 0.3297



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.



15.0024, 0.3637, 0.3311



24.0180, 0.3806, 0.3317



18.5027, 0.3564, 0.3618



4.7096, 0.3278, 0.3297



4.8351, 0.6367, 0.3326



0.0181, 0.6221, 0.3443

Inverse Universe

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



20.8333, 0.2765, 0.3269



36.4201, 0.2687, 0.3264



16.7011, 0.2736, 0.2938



5.2554, 0.2992, 0.3283



16.5653, 0.2222, 0.3198



0.0593, 0.2235, 0.3246

Previews

White Background



This preview shows how the Yxy color 15.0017, 0.3637, 0.3311 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 15.0017, 0.3637, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

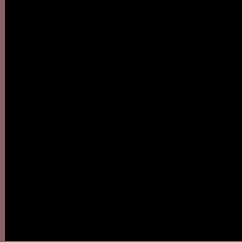
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0017, 0.3637, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 15.0017, 0.3637, 0.3311.



This preview shows how white text looks on a background with the Yxy color 15.0017, 0.3637, 0.3311.

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

15.0017, 0.3637, 0.3311

Protanopia

15.0839, 0.3233, 0.3394

Deuteranopia

14.9200, 0.3471, 0.3411



Tritanopia

15.0326, 0.3551, 0.3160

Trichromacy



Original Color

15.0017, 0.3637, 0.3311

Protanomaly

14.9844, 0.3368, 0.3351

Deuteranomaly

15.0180, 0.3534, 0.3390

Tritanomaly

14.9713, 0.3596, 0.3216

Monochromacy



Original Color

15.0017, 0.3637, 0.3311

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.2002, 0.3296, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0017, 0.3637, 0.3311 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, 100, 99)` looks like.

```
.text, #text, p{  
    color:rgb(133, 100, 99)  
}
```

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, 100, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 100, 99) }
```

Border

The CSS property to change the border of an element to Yxy 15.0017, 0.3637, 0.3311 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, 100, 99) }
```

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

```
.border{ border-color:rgb(133, 100, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 100, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 100, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 100, 99);  
box-shadow:4px 4px 4px 4px rgb(133, 100,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0017, 0.3637, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 100, 99) }
```

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

```
.background{ background-color: rgb(133,  
100, 99) }
```

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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