

Converting Colors

$Y_{xy}(13.2667, 0.3369, 0.3654)$

Have a look what the booklet for
Yxy(13.2667, 0.3369, 0.3654)
contains.

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Color

Yxy(13.3154, 0.3373, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	686756
RGB	104, 103, 86
RGB Percent	41%, 40%, 34%
CMY	0.5922, 0.5961, 0.6628
CMYK	0.00, 0.01, 0.17, 0.59
HSL	57°, 9%, 37%
HSV	57°, 17%, 41%
XYZ	12.2378, 13.3154, 10.7285
YIQ	101.3610, 6.0530, -5.0750

Conversions

Conversions Part 2

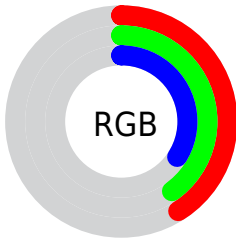
Format	Color
R_{YB}	87, 104, 86
Decimal	6842198
CIE Lab	43.23, -2.84, 9.75
CIE LCh	43, 10.159, 106.250
Yxy	13.3154, 0.3373, 0.3670
Android (android.graphics.Color)	4285032278 (0xFF686756)
YUV	101.3610, -7.5730, 2.3144
Hunter-Lab	36.4903, -3.9940, 8.1113

Details

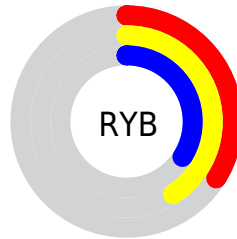
The Yxy color **13.3154, 0.3373, 0.3670** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.7909, 0.2865, 0.2879**, and the grayscale version is **13.1308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8573, 0.3307, 0.3569**, and **3.8583, 0.3495, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **13.0477, 0.3520, 0.3895**, and if you desaturate by 10%, it is **13.6095, 0.3229, 0.3448**.

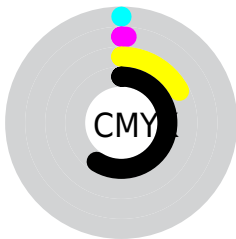
Distribution



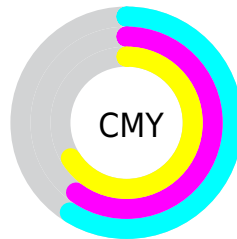
- Red (41%)
- Green (40%)
- Blue (34%)



- Red (34%)
- Yellow (41%)
- Blue (34%)



- Cyan (0%)
- Magenta (1%)
- Yellow (17%)
- Black (59%)



- Cyan (59%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3154, 0.3373, 0.3670 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 13.3154, 0.3373, 0.3670 by changing the saturation by 10% instead.

■ 13.3154, 0.3373,
0.3670

■ 13.3154, 0.3373,
0.3670

■ 212.9293, 0.3226,
0.3439

■ 7.6461, 0.3422,
0.3748

■ 31.8693, 0.3312,
0.3573

■ 3.8693, 0.3493,
0.3867

■ 45.5226, 0.3291,
0.3541

■ 1.6007, 0.3611,
0.4068

■ 62.6061, 0.3275,
0.3515

■ 0.3581, 0.4307,
0.5693

■ 83.5041, 0.3262,
0.3495

■ 0.0000, 0.0000,
0.0000

■ 108.6010, 0.3250,
0.3477

138.2812, 0.3241,

0.3463

172.9292, 0.3233,
0.3450

■ 13.3154, 0.3373,
0.3670

■ 13.3154, 0.3373,
0.3670

■ 13.0477, 0.3520,
0.3895

■ 13.6095, 0.3229,
0.3448

■ 12.8034, 0.3666,
0.4115

■ 13.9291, 0.3091,
0.3233

■ 12.5822, 0.3807,
0.4325

■ 14.2759, 0.2960,
0.3029

■ 12.3828, 0.3937,
0.4515

■ 14.6505, 0.2838,
0.2837

■ 12.2037, 0.4052,
0.4678

■ 15.0541, 0.2726,
0.2659

■ 12.0436, 0.4146,
0.4808

■ 15.4872, 0.2623,
0.2495

■ 11.9008, 0.4218,
0.4899

■ 15.9507, 0.2529,
0.2345

■ 11.7700, 0.4272,
0.4962

■ 16.4454, 0.2444,
0.2208

■ 11.7350, 0.4287,
0.4978

■ 16.9719, 0.2366,
0.2083

Harmonies

Analogous

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



13.3154, 0.3516, 0.3597



13.3154, 0.3373, 0.3670



13.3154, 0.3167, 0.3636

Triad

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



13.3154, 0.3373, 0.3670



13.3154, 0.2719, 0.3110



13.3154, 0.3294, 0.3093

Complementary

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



13.3154, 0.3373, 0.3670



9.7909, 0.2865, 0.2879

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.



13.3154, 0.3076, 0.2973



13.3154, 0.3373, 0.3670



13.3154, 0.2750, 0.2976

Square

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



13.3154, 0.3373, 0.3670



13.3154, 0.2793, 0.3303



13.3154, 0.2878, 0.2929



13.3154, 0.3471, 0.3264

Rectangle

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



13.3154, 0.3373, 0.3670



13.3154, 0.3022, 0.3554



13.3154, 0.2878, 0.2929



13.3154, 0.3223, 0.3046

Sweetspot

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



13.3160, 0.3373, 0.3670



23.9990, 0.3198, 0.3401



10.2890, 0.3414, 0.3263



5.8483, 0.3206, 0.3412



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



13.3160, 0.3373, 0.3670



23.1594, 0.3436, 0.3766



13.0677, 0.3254, 0.3706



3.2436, 0.3252, 0.3483



14.4539, 0.4288, 0.4978



74.9640, 0.4294, 0.4973

Inverse Universe

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



9.7909, 0.2865, 0.2879



15.6577, 0.2792, 0.2764



10.0233, 0.2984, 0.2870



2.7855, 0.2999, 0.3089



1.3682, 0.1517, 0.0659



6.7199, 0.1507, 0.0625

Previews

White Background



This preview shows how the Yxy color 13.3154, 0.3373, 0.3670 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 13.3154, 0.3373, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

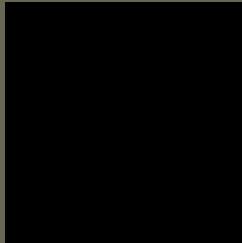
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3154, 0.3373, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 13.3154, 0.3373, 0.3670.



This preview shows how white text looks on a background with the Yxy color 13.3154, 0.3373, 0.3670.

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

13.3154, 0.3373, 0.3670

Protanopia

13.3468, 0.3452, 0.3664

Deuteranopia

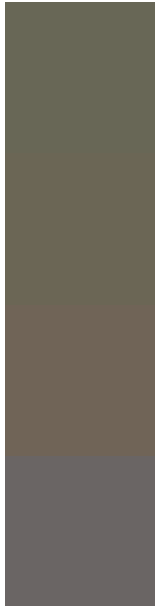
13.2054, 0.3581, 0.3523



Tritanopia

13.3229, 0.3121, 0.3120

Trichromacy



Original Color

13.3154, 0.3373, 0.3670

Protanomaly

13.2844, 0.3437, 0.3666

Deuteranomaly

13.2472, 0.3493, 0.3571

Tritanomaly

13.2916, 0.3214, 0.3312

Monochromacy



Original Color

13.3154, 0.3373, 0.3670

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.1721, 0.3208, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3154, 0.3373, 0.3670 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(104, 103, 86)` looks like.

```
.text, #text, p{  
    color:rgb(104, 103, 86)  
}
```

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(104, 103, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 103, 86) }
```

Border

The CSS property to change the border of an element to Yxy 13.3154, 0.3373, 0.3670 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(104, 103, 86) }
```

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

```
.border{ border-color:rgb(104, 103, 86) }
```

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

Here you see how a box with a 4 pixel rgb(104, 103, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 103, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 103, 86);  
box-shadow:4px 4px 4px 4px rgb(104, 103,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3154, 0.3373, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 103, 86) }
```

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

```
.background{ background-color: rgb(104,  
103, 86) }
```

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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