

Converting Colors

$Y_{xy}(17.4905, 0.3492, 0.3456)$

Have a look what the booklet for
Yxy(17.4905, 0.3492, 0.3456)
contains.

Yxy(17.4131, 0.3489, 0.3442)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.4131, 0.3489, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	837068
RGB	131, 112, 104
RGB Percent	51%, 44%, 41%
CMY	0.4863, 0.5607, 0.5922
CMYK	0.00, 0.14, 0.21, 0.49
HSL	18°, 11%, 46%
HSV	18°, 21%, 51%
XYZ	17.6509, 17.4131, 15.5261
YIQ	116.7690, 13.8920, 1.5400

Conversions

Conversions Part 2

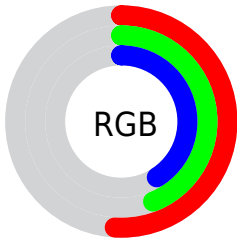
Format	Color
R_{YB}	131, 115, 104
Decimal	8613992
CIE Lab	48.78, 6.05, 7.20
CIE LCh	49, 9.404, 49.922
Yxy	17.4131, 0.3489, 0.3442
Android (android.graphics.Color)	4286804072 (0xFF837068)
YUV	116.7690, -6.2951, 12.4806
Hunter-Lab	41.7290, 2.4776, 7.1503

Details

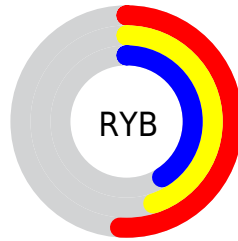
The Yxy color **17.4131, 0.3489, 0.3442** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.7397, 0.2822, 0.3133**, and the grayscale version is **17.7304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1078, 0.3400, 0.3413**, and **5.7115, 0.3652, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **15.2385, 0.3714, 0.3521**, and if you desaturate by 10%, it is **19.8386, 0.3298, 0.3366**.

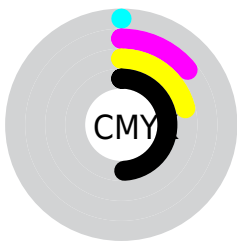
Distribution



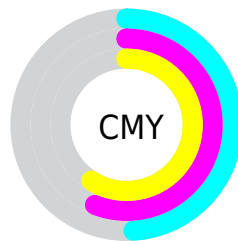
- Red (51%)
- Green (44%)
- Blue (41%)



- Red (51%)
- Yellow (45%)
- Blue (41%)



- Cyan (0%)
- Magenta (14%)
- Yellow (21%)
- Black (49%)



- Cyan (49%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4131, 0.3489, 0.3442 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 17.4131, 0.3489, 0.3442 by changing the saturation by 10% instead.

■ 17.4131, 0.3489,
0.3442

■ 17.4131, 0.3489,
0.3442

237.5418, 0.3277,
0.3356

■ 10.5295, 0.3556,
0.3468

■ 39.0347, 0.3403,
0.3408

■ 5.7514, 0.3653,
0.3503

■ 54.5414, 0.3374,
0.3396

■ 2.6945, 0.3806,
0.3556

■ 73.6913, 0.3350,
0.3386

■ 0.9744, 0.4168,
0.3716

■ 96.8687, 0.3330,
0.3378

■ 0.0000, 1.0000,
0.0000

124.4581, 0.3314,
0.3371

■ 0.0000, 0.0000,
0.0000

156.8438, 0.3300,

0.3366

194.4103, 0.3288,
0.3360

■ 17.4131, 0.3489,
0.3442

■ 17.4131, 0.3489,
0.3442

■ 15.2385, 0.3714,
0.3521

■ 19.8386, 0.3298,
0.3366

■ 13.3042, 0.3975,
0.3600

■ 22.5202, 0.3136,
0.3294

■ 11.6024, 0.4275,
0.3673

■ 25.4662, 0.2999,
0.3228

■ 10.1241, 0.4608,
0.3733

■ 28.6837, 0.2883,
0.3167

■ 8.8595, 0.4964,
0.3771

■ 32.1794, 0.2784,
0.3111

■ 7.7981, 0.5320,
0.3775

■ 35.9600, 0.2700,
0.3060

■ 6.9283, 0.5645,
0.3738

■ 40.0317, 0.2627,
0.3013

■ 6.2681, 0.5920,
0.3681

■ 44.4007, 0.2565,
0.2971

■ 49.0730, 0.2510,
0.2932

Harmonies

Analogous

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



17.4131, 0.3431, 0.3288



17.4131, 0.3489, 0.3442



17.4131, 0.3446, 0.3562

Triad

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



17.4131, 0.3489, 0.3442



17.4131, 0.2962, 0.3448



17.4131, 0.2934, 0.2983

Complementary

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



17.4131, 0.3489, 0.3442



18.7397, 0.2822, 0.3133

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.



17.4131, 0.2816, 0.3015



17.4131, 0.3489, 0.3442



17.4131, 0.2831, 0.3281

Square

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



17.4131, 0.3489, 0.3442



17.4131, 0.3139, 0.3571



17.4131, 0.2778, 0.3122



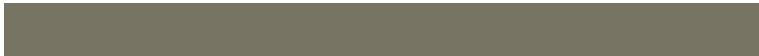
17.4131, 0.3107, 0.3029

Rectangle

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



17.4131, 0.3489, 0.3442



17.4131, 0.3367, 0.3605



17.4131, 0.2778, 0.3122



17.4131, 0.2887, 0.2985

Sweetspot

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



17.4139, 0.3489, 0.3442



37.6234, 0.3222, 0.3333



16.1623, 0.3250, 0.2934



8.7005, 0.3231, 0.3337



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.



17.4139, 0.3489, 0.3442



29.2000, 0.3596, 0.3481



20.5253, 0.3444, 0.3680



4.8975, 0.3272, 0.3355



6.1758, 0.5919, 0.3682



0.0329, 0.5195, 0.4257

Inverse Universe

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



18.7397, 0.2822, 0.3133



32.0452, 0.2750, 0.3090



15.6991, 0.2806, 0.2867



5.0516, 0.2992, 0.3224



9.1696, 0.1979, 0.2323



0.0445, 0.2116, 0.2817

Previews

White Background



This preview shows how the Yxy color 17.4131, 0.3489, 0.3442 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 17.4131, 0.3489, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

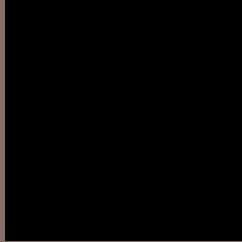
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4131, 0.3489, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 17.4131, 0.3489, 0.3442.

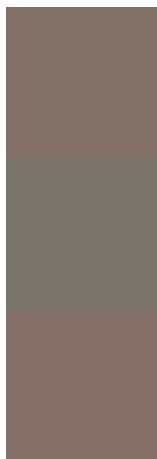


This preview shows how white text looks on a background with the Yxy color 17.4131, 0.3489, 0.3442.

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

17.4131, 0.3489, 0.3442

Protanopia

17.5245, 0.3301, 0.3487

Deuteranopia

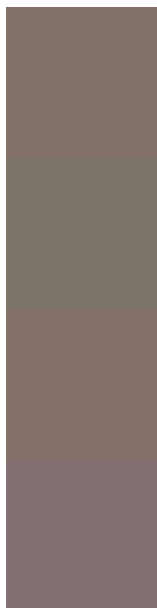
17.4934, 0.3503, 0.3441



Tritanopia

17.4464, 0.3337, 0.3144

Trichromacy



Original Color

17.4131, 0.3489, 0.3442

Protanomaly

17.5665, 0.3370, 0.3484

Deuteranomaly

17.4934, 0.3503, 0.3441

Tritanomaly

17.4667, 0.3387, 0.3254

Monochromacy



Original Color

17.4131, 0.3489, 0.3442

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.5689, 0.3255, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4131, 0.3489, 0.3442 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(131, 112, 104)` looks like.

```
.text, #text, p{  
    color:rgb(131, 112, 104)  
}
```

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(131, 112, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 112, 104) }
```

Border

The CSS property to change the border of an element to Yxy 17.4131, 0.3489, 0.3442 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(131, 112, 104) }
```

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

```
.border{ border-color:rgb(131, 112, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 112, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 112, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 112, 104);  
box-shadow:4px 4px 4px 4px rgb(131, 112,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4131, 0.3489, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 112, 104) }
```

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

```
.background{ background-color: rgb(131,  
112, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor