

Converting Colors

$Y_{xy}(18.1785, 0.3449, 0.3342)$

Have a look what the booklet for
Yxy(18.1785, 0.3449, 0.3342)
contains.

Yxy(18.1088, 0.3448, 0.3328)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.1088, 0.3448, 0.3328)

Conversions

Conversions Part 1

Format	Color
Hex	87716F
RGB	135, 113, 111
RGB Percent	53%, 44%, 44%
CMY	0.4707, 0.5568, 0.5647
CMYK	0.00, 0.16, 0.18, 0.47
HSL	5°, 10%, 48%
HSV	5°, 18%, 53%
XYZ	18.7618, 18.1088, 17.5429
YIQ	119.3500, 13.7540, 4.0420

Conversions

Conversions Part 2

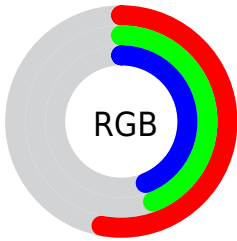
Format	Color
R_{YB}	135, 113, 111
Decimal	8876399
CIE _{Lab}	49.63, 8.25, 4.32
CIE _{LCh}	50, 9.312, 27.658
Yxy	18.1088, 0.3448, 0.3328
Android (android.graphics.Color)	4287066479 (0xFF87716F)
YUV	119.3500, -4.1165, 13.7251
Hunter-Lab	42.5544, 4.2283, 5.3460

Details

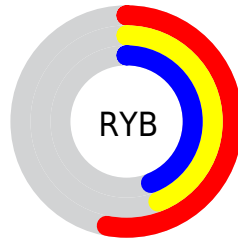
The Yxy color **18.1088, 0.3448, 0.3328** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.8871, 0.2868, 0.3252**, and the grayscale version is **18.5739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3734, 0.3373, 0.3317**, and **6.0708, 0.3603, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **15.2618, 0.3686, 0.3351**, and if you desaturate by 10%, it is **21.3779, 0.3253, 0.3306**.

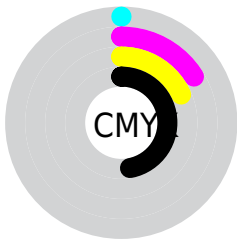
Distribution



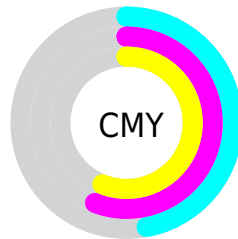
- Red (53%)
- Green (44%)
- Blue (44%)



- Red (53%)
- Yellow (44%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (18%)
- Black (47%)




- Cyan (47%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1088, 0.3448, 0.3328 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 18.1088, 0.3448, 0.3328 by changing the saturation by 10% instead.


 18.1088, 0.3448,
0.3328


 18.1088, 0.3448,
0.3328


241.4836, 0.3262,
0.3308


 11.0281, 0.3506,
0.3333


 40.2226, 0.3372,
0.3321


 6.0858, 0.3591,
0.3340

 56.0246, 0.3347,
0.3318

 2.8973, 0.3723,
0.3348

 75.5024, 0.3326,
0.3315

 1.0784, 0.3964,
0.3361

 99.0405, 0.3308,
0.3313

 0.0000, 1.0000,
0.0000

127.0233, 0.3294,
0.3312

 0.0000, 0.0000,
0.0000

159.8351, 0.3281,

0.3310

197.8604, 0.3271,
0.3309

■ 18.1088, 0.3448,
0.3328

■ 18.1088, 0.3448,
0.3328

■ 15.2618, 0.3686,
0.3351

■ 21.3779, 0.3253,
0.3306

■ 12.8173, 0.3976,
0.3374

■ 25.0827, 0.3094,
0.3286

■ 10.7579, 0.4321,
0.3396

■ 29.2392, 0.2964,
0.3267

■ 9.0640, 0.4720,
0.3413

■ 33.8621, 0.2858,
0.3250

■ 7.7141, 0.5155,
0.3421

■ 38.9652, 0.2770,
0.3235

■ 6.6847, 0.5591,
0.3416

■ 44.5617, 0.2696,
0.3221

■ 5.9490, 0.5973,
0.3395

■ 50.6644, 0.2635,
0.3208

■ 5.4732, 0.6256,
0.3370

■ 57.2857, 0.2583,
0.3197

■ 5.3967, 0.6313,
0.3370

■ 64.4374, 0.2539,
0.3187

Harmonies

Analogous

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



18.1088, 0.3328, 0.3177



18.1088, 0.3448, 0.3328



18.1088, 0.3479, 0.3474

Triad

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



18.1088, 0.3448, 0.3328



18.1088, 0.3092, 0.3540



18.1088, 0.2846, 0.3006

Complementary

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



18.1088, 0.3448, 0.3328



21.8871, 0.2868, 0.3252

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.



18.1088, 0.2787, 0.3093



18.1088, 0.3448, 0.3328



18.1088, 0.2927, 0.3404

Square

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



18.1088, 0.3448, 0.3328



18.1088, 0.3270, 0.3603



18.1088, 0.2816, 0.3238



18.1088, 0.2979, 0.2995

Rectangle

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



18.1088, 0.3448, 0.3328



18.1088, 0.3445, 0.3549



18.1088, 0.2816, 0.3238



18.1088, 0.2817, 0.3027

Sweetspot

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



18.1096, 0.3448, 0.3328



39.9865, 0.3208, 0.3300



18.2080, 0.3171, 0.2901



9.1693, 0.3218, 0.3302



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.1096, 0.3448, 0.3328



30.4700, 0.3531, 0.3337



20.9574, 0.3412, 0.3542



4.7473, 0.3277, 0.3309



4.9886, 0.6309, 0.3372



0.0211, 0.5941, 0.3664

Inverse Universe

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



21.8871, 0.2868, 0.3252



38.4439, 0.2817, 0.3243



18.7978, 0.2857, 0.3024



5.2135, 0.2992, 0.3271



14.8237, 0.2175, 0.3032



0.0563, 0.2214, 0.3168

Previews

White Background



This preview shows how the Yxy color 18.1088, 0.3448, 0.3328 looks on a white background.

Color Contrast Check

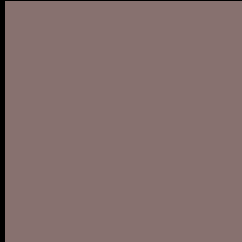
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1088, 0.3448, 0.3328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

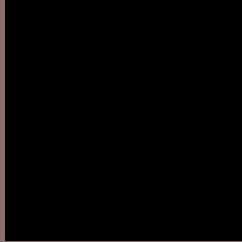
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1088, 0.3448, 0.3328

Background



This preview shows how black text looks on a background with the Yxy color 18.1088, 0.3448, 0.3328.

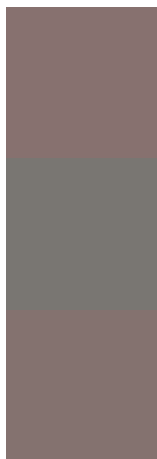


This preview shows how white text looks on a background with the Yxy color 18.1088, 0.3448, 0.3328.

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

18.1088, 0.3448, 0.3328

Protanopia

18.2367, 0.3213, 0.3367

Deuteranopia

18.0879, 0.3405, 0.3346



Tritanopia

18.1786, 0.3347, 0.3146

Trichromacy



Original Color

18.1088, 0.3448, 0.3328

Protanomaly

18.1187, 0.3294, 0.3347

Deuteranomaly

18.1689, 0.3418, 0.3346

Tritanomaly

18.1069, 0.3386, 0.3200

Monochromacy



Original Color

18.1088, 0.3448, 0.3328

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3435, 0.3242, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1088, 0.3448, 0.3328 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(135, 113, 111)` looks like.

```
.text, #text, p{  
    color:rgb(135, 113, 111)  
}
```

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(135, 113, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 113, 111) }
```

Border

The CSS property to change the border of an element to Yxy 18.1088, 0.3448, 0.3328 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(135, 113, 111) }
```

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

```
.border{ border-color:rgb(135, 113, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 113, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 113, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 113, 111);  
box-shadow:4px 4px 4px 4px rgb(135, 113,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1088, 0.3448, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 113, 111) }
```

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

```
.background{ background-color: rgb(135,  
113, 111) }
```

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