

Converting Colors

$Y_{xy}(17.9610, 0.3483, 0.3366)$

Have a look what the booklet for
Yxy(17.9610, 0.3483, 0.3366)
contains.

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Color

Yxy(18.0439, 0.3488, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	87716C
RGB	135, 113, 108
RGB Percent	53%, 44%, 42%
CMY	0.4706, 0.5569, 0.5765
CMYK	0.00, 0.16, 0.20, 0.47
HSL	11°, 11%, 48%
HSV	11°, 20%, 53%
XYZ	18.6039, 18.0439, 16.6891
YIQ	119.0080, 14.7170, 3.1090

Conversions

Conversions Part 2

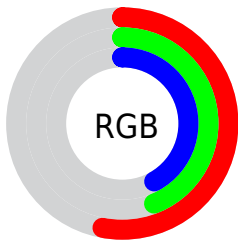
Format	Color
R_{YB}	135, 114, 108
Decimal	8876396
CIE _{Lab}	49.55, 7.77, 5.98
CIE _{LCh}	50, 9.804, 37.601
Yxy	18.0439, 0.3488, 0.3383
Android (android.graphics.Color)	4287066476 (0xFF87716C)
YUV	119.0080, -5.4269, 14.0250
Hunter-Lab	42.4781, 3.8401, 6.4403

Details

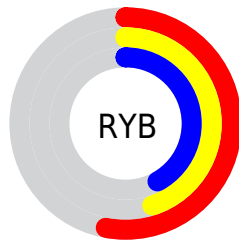
The Yxy color **18.0439, 0.3488, 0.3383** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.9029, 0.2834, 0.3195**, and the grayscale version is **18.4650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2323, 0.3410, 0.3371**, and **6.0488, 0.3646, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **15.4718, 0.3725, 0.3433**, and if you desaturate by 10%, it is **20.9597, 0.3291, 0.3335**.

Distribution



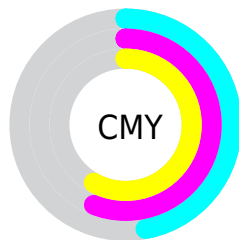
- Red (53%)
- Green (44%)
- Blue (42%)



- Red (53%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (16%)
- Yellow (20%)
- Black (47%)





- Cyan (47%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0439, 0.3488, 0.3383 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 18.0439, 0.3488, 0.3383 by changing the saturation by 10% instead.


 18.0439, 0.3488,
0.3383


 18.0439, 0.3488,
0.3383


241.1184, 0.3278,
0.3332


 10.9815, 0.3554,
0.3398


 40.1121, 0.3403,
0.3363


 6.0544, 0.3649,
0.3417


 55.8867, 0.3374,
0.3356

 2.8782, 0.3798,
0.3445

 75.3342, 0.3350,
0.3350

 1.0685, 0.4089,
0.3506

 98.8389, 0.3331,
0.3345

 0.0000, 1.0000,
0.0000

126.7853, 0.3314,
0.3341

 0.0000, 0.0000,
0.0000

159.5578, 0.3300,

0.3338

197.5407, 0.3288,
0.3334

■ 18.0439, 0.3488,
0.3383

■ 18.0439, 0.3488,
0.3383

■ 15.4718, 0.3725,
0.3433

■ 20.9597, 0.3291,
0.3335

■ 13.2282, 0.4007,
0.3483

■ 24.2286, 0.3127,
0.3290

■ 11.3006, 0.4337,
0.3528

■ 27.8629, 0.2991,
0.3249

■ 9.6745, 0.4711,
0.3564

■ 31.8734, 0.2878,
0.3211

■ 8.3347, 0.5114,
0.3582

■ 36.2705, 0.2783,
0.3176

■ 7.2640, 0.5515,
0.3575

■ 41.0643, 0.2703,
0.3145

■ 6.4439, 0.5872,
0.3537

■ 46.2644, 0.2636,
0.3117

■ 5.8470, 0.6166,
0.3486

■ 51.8802, 0.2578,
0.3091

■ 57.9205, 0.2529,
0.3067

Harmonies

Analogous

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



18.0439, 0.3389, 0.3222



18.0439, 0.3488, 0.3383



18.0439, 0.3486, 0.3526

Triad

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



18.0439, 0.3488, 0.3383



18.0439, 0.3028, 0.3513



18.0439, 0.2869, 0.2978

Complementary

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



18.0439, 0.3488, 0.3383



20.9029, 0.2834, 0.3195

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.



18.0439, 0.2780, 0.3044



18.0439, 0.3488, 0.3383



18.0439, 0.2869, 0.3353

Square

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



18.0439, 0.3488, 0.3383



18.0439, 0.3217, 0.3609



18.0439, 0.2779, 0.3179



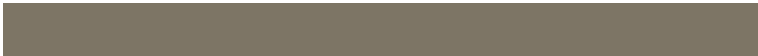
18.0439, 0.3029, 0.2993

Rectangle

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



18.0439, 0.3488, 0.3383



18.0439, 0.3429, 0.3592



18.0439, 0.2779, 0.3179



18.0439, 0.2830, 0.2991

Sweetspot

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



18.0447, 0.3488, 0.3383



39.7207, 0.3224, 0.3317



17.4893, 0.3212, 0.2897



9.1263, 0.3233, 0.3320



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.



18.0447, 0.3488, 0.3383



30.1489, 0.3590, 0.3406



21.2716, 0.3443, 0.3623



4.8181, 0.3275, 0.3331



5.4070, 0.6160, 0.3491



0.0267, 0.5533, 0.3989

Inverse Universe

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



20.9029, 0.2834, 0.3195



36.2300, 0.2770, 0.3171



17.5556, 0.2818, 0.2934



5.1361, 0.2992, 0.3249



11.9118, 0.2085, 0.2704



0.0507, 0.2170, 0.3012

Previews

White Background



This preview shows how the Yxy color 18.0439, 0.3488, 0.3383 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 18.0439, 0.3488, 0.3383 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 18.0439, 0.3488, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 18.0439, 0.3488, 0.3383.



This preview shows how white text looks on a background with the Yxy color 18.0439, 0.3488, 0.3383.

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

18.0439, 0.3488, 0.3383

Protanopia

17.9859, 0.3276, 0.3426

Deuteranopia

18.1039, 0.3457, 0.3402



Tritanopia

17.9592, 0.3349, 0.3128

Trichromacy



Original Color

18.0439, 0.3488, 0.3383

Protanomaly

18.1069, 0.3357, 0.3423

Deuteranomaly

18.1857, 0.3471, 0.3402

Tritanomaly

18.0835, 0.3399, 0.3218

Monochromacy



Original Color

18.0439, 0.3488, 0.3383

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3204, 0.3254, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0439, 0.3488, 0.3383 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, 108)` looks like.

```
.text, #text, p{  
  color:rgb(135, 113, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 113, 108) }
```

Border

The CSS property to change the border of an element to Yxy 18.0439, 0.3488, 0.3383 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, 108) }
```

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

```
.border{ border-color:rgb(135, 113, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 113, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 113, 108);  
box-shadow:4px 4px 4px 4px rgb(135, 113,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0439, 0.3488, 0.3383 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, 108) }
```

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

```
.background{ background-color: rgb(135,  
113, 108) }
```

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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