Converting Colors

Yxy(18.9237, 0.3400, 0.3467)

Have a look what the booklet for Yxy(18.9237, 0.3400, 0.3467) contains.

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Color

Yxy(18.8863, 0.3405, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	83766D
RGB	131, 118, 109
RGB Percent	51%, 46%, 43%
CMY	0.4863, 0.5372, 0.5725
CMYK	0.00, 0.10, 0.17, 0.49
HSL	25°, 9%, 47%
HSV	25°, 17%, 51%
XYZ	18.5968, 18.8863, 17.1331
YIQ	120.8610, 10.6370, -0.0430

Conversions

Conversions Part 2

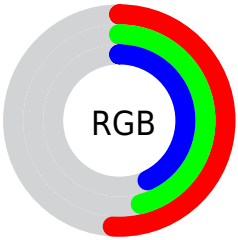
Format	Color
RYB	131, 124, 109
Decimal	8615533
CIELab	50.55, 3.40, 6.77
CIELCh	51, 7.579, 63.341
Yxy	18.8863, 0.3405, 0.3458
Android (android.graphics.Color)	4286805613 (0xFF83766D)
YUV	120.8610, -5.8475, 8.8919
Hunter-Lab	43.4584, 0.3321, 7.0462

Details

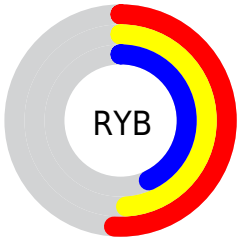
The Yxy color 18.8863, 0.3405, 0.3458 is a dark color, and the websafe version is hex 666666. A complement of this color would be 18.8023, 0.2877, 0.3116, and the grayscale version is 19.0898, 0.3127, 0.3290.

A 20% lighter version of the original color is 41.4779, 0.3343, 0.3425, and 6.4774, 0.3507, 0.3521 is the 20% darker color. If you saturate the color by 10%, you get 16.8788, 0.3605, 0.3565, and if you desaturate by 10%, it is 21.0868, 0.3231, 0.3356.

Distribution

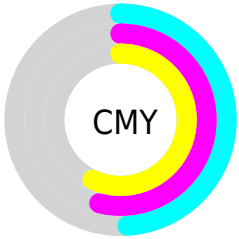


- Red (51%)
- Green (46%)
- Blue (43%)



- Red (51%)
- Yellow (49%)
- Blue (43%)

- Cyan (0%)
- Magenta (10%)
- Yellow (17%)
- Black (49%)



- Cyan (49%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8863, 0.3405, 0.3458 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 18.8863, 0.3405, 0.3458 by changing the saturation by 10% instead.

18.8863, 0.3405, 0.3458

18.8863, 0.3405, 0.3458

245.8204, 0.3245, 0.3363

11.5881, 0.3455, 0.3487

41.5419, 0.3340, 0.3420

6.4639, 0.3525, 0.3527

57.6681, 0.3318, 0.3407

3.1292, 0.3635, 0.3587

77.5058, 0.3300, 0.3396

1.1995, 0.3838, 0.3699

101.4394, 0.3285, 0.3387

0.0613, 0.6974, 0.3026

129.8532, 0.3273, 0.3380

0.0000, 0.0000, 0.0000

163.1318, 0.3262,

0.3373

201.6593, 0.3253, 0.3368

18.8863, 0.3405, 0.3458

18.8863, 0.3405, 0.3458

16.8788, 0.3605, 0.3565

21.0868, 0.3231, 0.3356

15.0563, 0.3834, 0.3673

23.4829, 0.3081, 0.3260

13.4141, 0.4091, 0.3777

26.0804, 0.2952, 0.3171

11.9460, 0.4375, 0.3871

28.8842, 0.2840, 0.3088

10.6457, 0.4677, 0.3944

31.8988, 0.2744, 0.3013

9.5064, 0.4983, 0.3984

8.5205, 0.5275, 0.3981

7.6776, 0.5536, 0.3934

7.4325, 0.5621, 0.3919

35.1287, 0.2660, 0.2944

38.5781, 0.2587, 0.2881

42.2514, 0.2523, 0.2823

46.1525, 0.2467, 0.2770

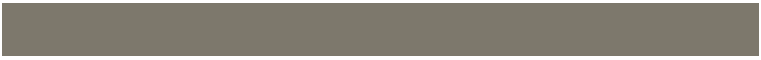
Harmonies

Analogous

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

18.8863, 0.3395, 0.3345

18.8863, 0.3405, 0.3458



18.8863, 0.3339, 0.3529

Triad

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

18.8863, 0.3405, 0.3458

18.8863, 0.2945, 0.3357

18.8863, 0.3034, 0.3057

Complementary

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

18.8863, 0.3405, 0.3458

18.8023, 0.2877, 0.3116

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.

18.8863, 0.2917, 0.3055

18.8863, 0.3405, 0.3458

18.8863, 0.2867, 0.3225

Square

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

18.8863, 0.3405, 0.3458

18.8863, 0.3072, 0.3473

18.8863, 0.2857, 0.3115

18.8863, 0.3178, 0.3117

Rectangle

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

18.8863, 0.3405, 0.3458

18.8863, 0.3262, 0.3542

18.8863, 0.2857, 0.3115

18.8863, 0.2990, 0.3049

Sweetspot

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

18.8871, 0.3405, 0.3458

38.4635, 0.3205, 0.3339

17.1712, 0.3257, 0.3048

8.8967, 0.3214, 0.3345

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.

18.8871, 0.3405, 0.3458

32.4695, 0.3475, 0.3497

21.5720, 0.3374, 0.3651

4.9790, 0.3270, 0.3379

7.3231, 0.5620, 0.3920

0.0391, 0.4934, 0.4464

Inverse Universe

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

18.8023, 0.2877, 0.3116

32.2880, 0.2821, 0.3074

16.3018, 0.2868, 0.2902

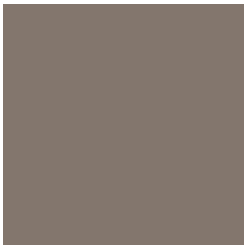
4.9672, 0.2992, 0.3199

6.8864, 0.1870, 0.1931

0.0383, 0.2054, 0.2592

Previews

White Background

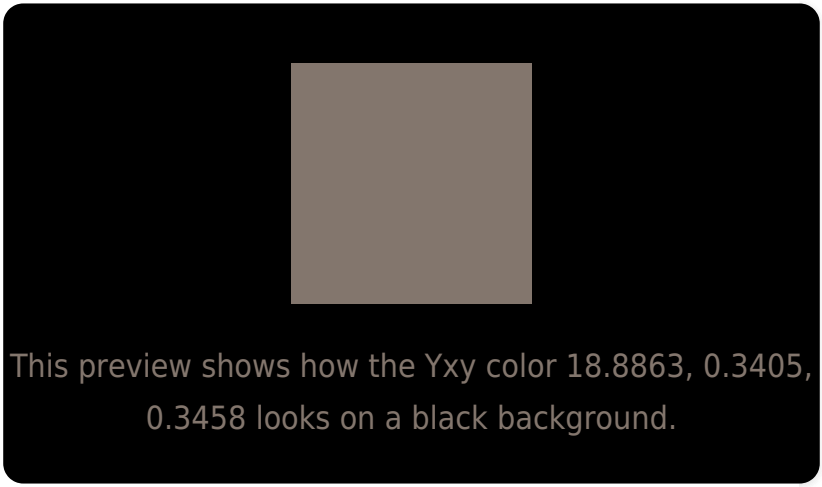


This preview shows how the Yxy color 18.8863, 0.3405, 0.3458 looks on a white background.

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

Black Background



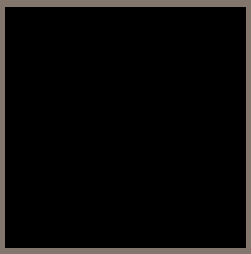
This preview shows how the Yxy color 18.8863, 0.3405, 0.3458 looks on a black background.

Color Contrast Check

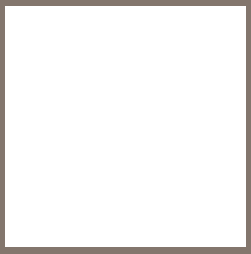
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 18.8863, 0.3405, 0.3458 Background



This preview shows how black text looks on a background with the Yxy color 18.8863, 0.3405, 0.3458.



This preview shows how white text looks on a background with the Yxy color 18.8863, 0.3405, 0.3458.

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
18.8863, 0.3405, 0.3458

Protanopia
18.9187, 0.3309, 0.3480

Deuteranopia
18.8291, 0.3478, 0.3418

Tritanopia
18.9580, 0.3237, 0.3128

Trichromacy

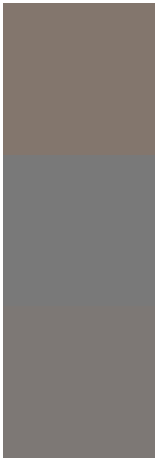
Original Color
18.8863, 0.3405, 0.3458

Protanomaly
18.8315, 0.3337, 0.3460

Deuteranomaly
18.8950, 0.3448, 0.3438

Tritanomaly
18.9600, 0.3296, 0.3254

Monochromacy



Original Color
18.8863, 0.3405, 0.3458

Achromatopsia
19.1202, 0.3127, 0.3290

Achromatomaly
19.0773, 0.3225, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8863, 0.3405, 0.3458 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, 118, 109) looks like.

```
.text, #text, p{
    color:rgb(131, 118, 109)
}
```

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, 118, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 118, 109) }
```

Border

The CSS property to change the border of an element to Yxy 18.8863, 0.3405, 0.3458 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, 118, 109) }
```

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

```
.border{ border-color:rgb(131, 118, 109) }
```

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

Here you see how a box with a 4 pixel rgb(131, 118, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 118, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 118, 109); box-shadow:4px 4px 4px 4px rgb(131, 118, 109) }
```

Background

The CSS property to change the background color of an element to Yxy 18.8863, 0.3405, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(131, 118, 109) }
```

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

```
.background{ background-color:rgb(131,
118, 109) }
```

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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