

Converting Colors

$Y_{xy}(18.6668, 0.3608, 0.3739)$

Have a look what the booklet for
Yxy(18.6668, 0.3608, 0.3739)
contains.

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Color

Yxy(18.6706, 0.3608, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	84765E
RGB	132, 118, 94
RGB Percent	52%, 46%, 37%
CMY	0.4823, 0.5373, 0.6313
CMYK	0.00, 0.11, 0.29, 0.48
HSL	38°, 17%, 44%
HSV	38°, 29%, 52%
XYZ	18.0165, 18.6706, 13.2477
YIQ	119.4500, 16.0480, -4.4960

Conversions

Conversions Part 2

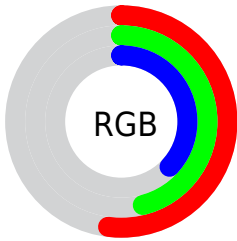
Format	Color
R_{YB}	116, 132, 94
Decimal	8681054
CIE Lab	50.30, 1.45, 15.21
CIE LCh	50, 15.274, 84.570
Yxy	18.6706, 0.3608, 0.3739
Android (android.graphics.Color)	4286871134 (0xFF84765E)
YUV	119.4500, -12.5468, 11.0064
Hunter-Lab	43.2095, -1.1900, 12.0688

Details

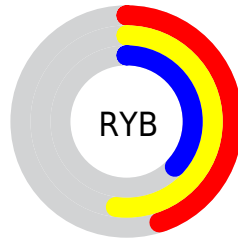
The Yxy color **18.6706, 0.3608, 0.3739** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7783, 0.2676, 0.2795**, and the grayscale version is **18.6359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2022, 0.3506, 0.3643**, and **6.3876, 0.3807, 0.3920** is the 20% darker color. If you saturate the color by 10%, you get **17.3370, 0.3805, 0.3900**, and if you desaturate by 10%, it is **20.1056, 0.3426, 0.3578**.

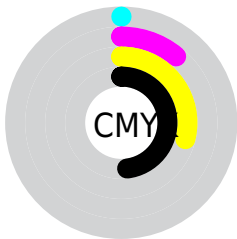
Distribution



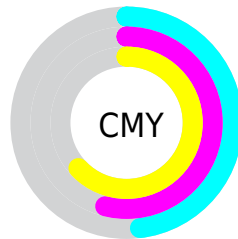
- Red (52%)
- Green (46%)
- Blue (37%)



- Red (45%)
- Yellow (52%)
- Blue (37%)



- Cyan (0%)
- Magenta (11%)
- Yellow (29%)
- Black (48%)





- Cyan (48%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6706, 0.3608, 0.3739 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 18.6706, 0.3608, 0.3739 by changing the saturation by 10% instead.


 18.6706, 0.3608,
0.3739


 18.6706, 0.3608,
0.3739


244.6242, 0.3332,
0.3483


 11.4325, 0.3692,
0.3816


 41.1767, 0.3497,
0.3637


 6.3585, 0.3811,
0.3923


 57.2136, 0.3459,
0.3601

 3.0643, 0.3989,
0.4083

 76.9521, 0.3428,
0.3572

 1.1654, 0.4613,
0.4672

 100.7768, 0.3402,
0.3548

 0.0332, 0.6682,
0.3318

129.0719, 0.3380,
0.3528

 0.0000, 0.0000,
0.0000

162.2219, 0.3362,

0.3511

200.6112, 0.3346,
0.3496

■ 18.6706, 0.3608,
0.3739

■ 18.6706, 0.3608,
0.3739

■ 17.3370, 0.3805,
0.3900

■ 20.1056, 0.3426,
0.3578

■ 16.0994, 0.4014,
0.4054

■ 21.6423, 0.3260,
0.3421

■ 14.9554, 0.4228,
0.4193

■ 23.2842, 0.3110,
0.3272

■ 13.9017, 0.4441,
0.4306

■ 25.0338, 0.2976,
0.3132

■ 12.9344, 0.4643,
0.4383

■ 26.8935, 0.2856,
0.3002

■ 12.0495, 0.4822,
0.4416

■ 28.8655, 0.2750,
0.2881

■ 11.2377, 0.4982,
0.4411

■ 30.9523, 0.2655,
0.2770

■ 11.1426, 0.5002,
0.4411

■ 33.1559, 0.2572,
0.2669

■ 35.4784, 0.2497,
0.2576

Harmonies

Analogous

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



18.6706, 0.3704, 0.3556



18.6706, 0.3608, 0.3739



18.6706, 0.3383, 0.3807

Triad

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



18.6706, 0.3608, 0.3739



18.6706, 0.2641, 0.3227



18.6706, 0.3138, 0.2905

Complementary

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



18.6706, 0.3608, 0.3739



14.7783, 0.2676, 0.2795

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.



18.6706, 0.2859, 0.2816



18.6706, 0.3608, 0.3739



18.6706, 0.2582, 0.2986

Square

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



18.6706, 0.3608, 0.3739



18.6706, 0.2826, 0.3503



18.6706, 0.2660, 0.2841



18.6706, 0.3426, 0.3085

Rectangle

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



18.6706, 0.3608, 0.3739



18.6706, 0.3193, 0.3768



18.6706, 0.2660, 0.2841



18.6706, 0.3040, 0.2864

Sweetspot

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



18.6715, 0.3608, 0.3739



37.9984, 0.3266, 0.3428



14.0101, 0.3499, 0.3015



8.7644, 0.3287, 0.3448



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.



18.6715, 0.3608, 0.3739



31.2202, 0.3745, 0.3852



21.8707, 0.3488, 0.3992



5.1419, 0.3265, 0.3427



10.7972, 0.5000, 0.4412



0.0514, 0.4569, 0.4754

Inverse Universe

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



14.7783, 0.2676, 0.2795



23.1218, 0.2558, 0.2653



12.2965, 0.2702, 0.2506



4.8051, 0.2992, 0.3149



3.7241, 0.1674, 0.1225



0.0260, 0.1902, 0.2045

Previews

White Background



This preview shows how the Yxy color 18.6706, 0.3608, 0.3739 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 18.6706, 0.3608, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

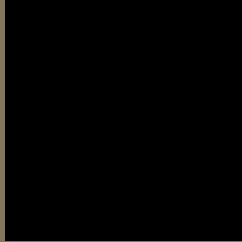
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6706, 0.3608, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 18.6706, 0.3608, 0.3739.



This preview shows how white text looks on a background with the Yxy color 18.6706, 0.3608, 0.3739.

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

18.6706, 0.3608, 0.3739

Protanopia

18.7712, 0.3519, 0.3767

Deuteranopia

18.6631, 0.3720, 0.3652



Tritanopia

18.6156, 0.3291, 0.3129

Trichromacy



Original Color

18.6706, 0.3608, 0.3739

Protanomaly

18.6870, 0.3550, 0.3745

Deuteranomaly

18.6354, 0.3674, 0.3675

Tritanomaly

18.4997, 0.3416, 0.3346

Monochromacy



Original Color

18.6706, 0.3608, 0.3739

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.6045, 0.3298, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6706, 0.3608, 0.3739 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(132, 118, 94)` looks like.

```
.text, #text, p{  
    color:rgb(132, 118, 94)  
}
```

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(132, 118, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 118, 94) }
```

Border

The CSS property to change the border of an element to Yxy 18.6706, 0.3608, 0.3739 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(132, 118, 94) }
```

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

```
.border{ border-color:rgb(132, 118, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 118, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 118, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 118, 94);  
box-shadow:4px 4px 4px 4px rgb(132, 118,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6706, 0.3608, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 118, 94) }
```

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

```
.background{ background-color: rgb(132,  
118, 94) }
```

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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