

Converting Colors

$Y_{xy}(18.9230, 0.3544, 0.3434)$

Have a look what the booklet for
Yxy(18.9230, 0.3544, 0.3434)
contains.

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Color

Yxy(18.8120, 0.3549, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	8B736B
RGB	139, 115, 107
RGB Percent	55%, 45%, 42%
CMY	0.4548, 0.5491, 0.5804
CMYK	0.00, 0.17, 0.23, 0.45
HSL	15°, 13%, 48%
HSV	15°, 23%, 55%
XYZ	19.4363, 18.8120, 16.5173
YIQ	121.2640, 16.8720, 2.6000

Conversions

Conversions Part 2

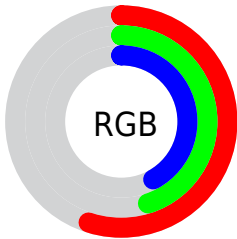
Format	Color
R_{YB}	139, 118, 107
Decimal	9139051
CIE _{Lab}	50.47, 8.08, 7.93
CIE _{LCh}	50, 11.323, 44.468
Yxy	18.8120, 0.3549, 0.3435
Android (android.graphics.Color)	4287329131 (0xFF8B736B)
YUV	121.2640, -7.0322, 15.5545
Hunter-Lab	43.3728, 4.0875, 7.7820

Details

The Yxy color **18.8120, 0.3549, 0.3435** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2362, 0.2787, 0.3140**, and the grayscale version is **19.2308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4435, 0.3454, 0.3409**, and **6.4153, 0.3718, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **16.2966, 0.3791, 0.3502**, and if you desaturate by 10%, it is **21.6457, 0.3345, 0.3370**.

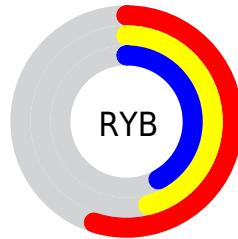
Distribution



Red (55%)

Green (45%)

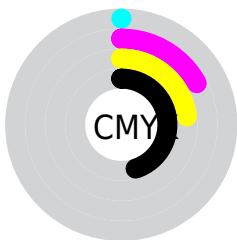
Blue (42%)



Red (55%)

Yellow (46%)

Blue (42%)

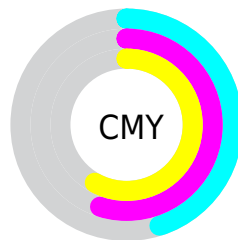


Cyan (0%)

Magenta (17%)

Yellow (23%)

Black (45%)



Cyan (45%)


Magenta (55%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8120, 0.3549, 0.3435 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 18.8120, 0.3549, 0.3435 by changing the saturation by 10% instead.


 18.8120, 0.3549,
0.3435


 18.8120, 0.3549,
0.3435


245.4089, 0.3305,
0.3355


 11.5345, 0.3625,
0.3458


 41.4162, 0.3450,
0.3404


 6.4276, 0.3733,
0.3488


 57.5117, 0.3417,
0.3393

 3.1068, 0.3902,
0.3532

 77.3153, 0.3389,
0.3384

 1.1877, 0.4225,
0.3620

 101.2114, 0.3366,
0.3376

 0.0516, 0.8267,
0.1733

129.5844, 0.3347,
0.3370

 0.0000, 0.0000,
0.0000

162.8188, 0.3331,

0.3364

201.2988, 0.3317,
0.3359

■ 18.8120, 0.3549,
0.3435

■ 18.8120, 0.3549,
0.3435

■ 16.2966, 0.3791,
0.3502

■ 21.6457, 0.3345,
0.3370

■ 14.0857, 0.4075,
0.3568

■ 24.8057, 0.3174,
0.3308

■ 12.1683, 0.4400,
0.3627

■ 28.3030, 0.3030,
0.3251

■ 10.5317, 0.4762,
0.3672

■ 32.1473, 0.2909,
0.3198

■ 9.1624, 0.5144,
0.3693

■ 36.3479, 0.2807,
0.3150

■ 8.0455, 0.5515,
0.3680

■ 40.9136, 0.2721,
0.3106

■ 7.1645, 0.5839,
0.3628

■ 45.8531, 0.2647,
0.3066

■ 6.6746, 0.6041,
0.3586

■ 51.1748, 0.2584,
0.3030

■ 56.8866, 0.2530,
0.2997

Harmonies

Analogous

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



18.8120, 0.3461, 0.3253



18.8120, 0.3549, 0.3435



18.8120, 0.3519, 0.3587

Triad

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



18.8120, 0.3549, 0.3435



18.8120, 0.2968, 0.3508



18.8120, 0.2870, 0.2932

Complementary

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



18.8120, 0.3549, 0.3435



21.2362, 0.2787, 0.3140

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.



18.8120, 0.2747, 0.2984



18.8120, 0.3549, 0.3435



18.8120, 0.2802, 0.3315

Square

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



18.8120, 0.3549, 0.3435



18.8120, 0.3179, 0.3639



18.8120, 0.2723, 0.3122



18.8120, 0.3064, 0.2970

Rectangle

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



18.8120, 0.3549, 0.3435



18.8120, 0.3438, 0.3650



18.8120, 0.2723, 0.3122



18.8120, 0.2819, 0.2939

Sweetspot

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



18.8129, 0.3549, 0.3435



42.0000, 0.3240, 0.3333



17.6619, 0.3247, 0.2861



9.6138, 0.3249, 0.3336



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.8129, 0.3549, 0.3435



31.0952, 0.3679, 0.3472



22.6501, 0.3492, 0.3703



5.2382, 0.3275, 0.3345



6.0454, 0.6033, 0.3591



0.0605, 0.5327, 0.4152

Inverse Universe

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



21.2362, 0.2787, 0.3140



36.2687, 0.2707, 0.3099



17.3772, 0.2765, 0.2839



5.4810, 0.2991, 0.3234



10.7077, 0.2024, 0.2486



0.0943, 0.2140, 0.2903

Previews

White Background



This preview shows how the Yxy color 18.8120, 0.3549, 0.3435 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 18.8120, 0.3549, 0.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

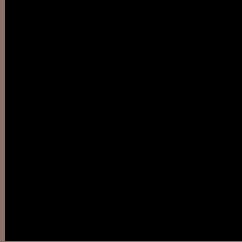
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8120, 0.3549, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 18.8120, 0.3549, 0.3435.

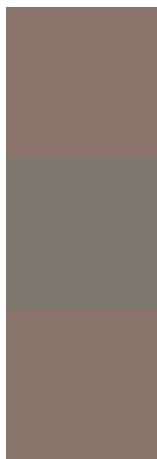


This preview shows how white text looks on a background with the Yxy color 18.8120, 0.3549, 0.3435.

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

18.8120, 0.3549, 0.3435

Protanopia

18.9187, 0.3309, 0.3480

Deuteranopia

18.8707, 0.3518, 0.3455



Tritanopia

18.8781, 0.3386, 0.3133

Trichromacy



Original Color

18.8120, 0.3549, 0.3435

Protanomaly

18.8068, 0.3392, 0.3459

Deuteranomaly

18.9556, 0.3531, 0.3454

Tritanomaly

18.8944, 0.3435, 0.3238

Monochromacy



Original Color

18.8120, 0.3549, 0.3435

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.0438, 0.3277, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8120, 0.3549, 0.3435 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(139, 115, 107)` looks like.

```
.text, #text, p{  
    color:rgb(139, 115, 107)  
}
```

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(139, 115, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 115, 107) }
```

Border

The CSS property to change the border of an element to Yxy 18.8120, 0.3549, 0.3435 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(139, 115, 107) }
```

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

```
.border{ border-color:rgb(139, 115, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 115, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 115, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 115, 107);  
box-shadow:4px 4px 4px 4px rgb(139, 115,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8120, 0.3549, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 115, 107) }
```

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

```
.background{ background-color: rgb(139,  
115, 107) }
```

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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