

Converting Colors

$Y_{xy}(18.8074, 0.3525, 0.3517)$

Have a look what the booklet for
Yxy(18.8074, 0.3525, 0.3517)
contains.

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Color

Yxy(18.8730, 0.3526, 0.3530)

Conversions

Conversions Part 1	
Format	Color
Hex	877568
RGB	135, 117, 104
RGB Percent	53%, 46%, 41%
CMY	0.4706, 0.5412, 0.5922
CMYK	0.00, 0.13, 0.23, 0.47
HSL	25°, 13%, 47%
HSV	25°, 23%, 53%
XYZ	18.8516, 18.8730, 15.7400
YIQ	120.9000, 14.9010, -0.2270

Conversions

Conversions Part 2

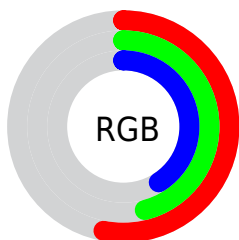
Format	Color
RYB	135, 126, 104
Decimal	8877416
CIELab	50.54, 4.79, 9.76
CIELCh	51, 10.868, 63.862
Yxy	18.8730, 0.3526, 0.3530
Android (android.graphics.Color)	4287067496 (0xFF877568)
YUV	120.9000, -8.3317, 12.3657
Hunter-Lab	43.4431, 1.4326, 8.9286

Details

The Yxy color **18.8730, 0.3526, 0.3530** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.6061, 0.2781, 0.3037**, and the grayscale version is **19.1105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5613, 0.3438, 0.3477**, and **6.4829, 0.3701, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **16.8713, 0.3743, 0.3641**, and if you desaturate by 10%, it is **21.0731, 0.3336, 0.3422**.

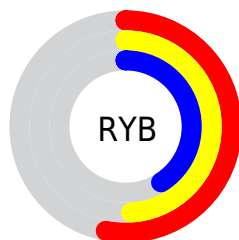
Distribution



Red (53%)

Green (46%)

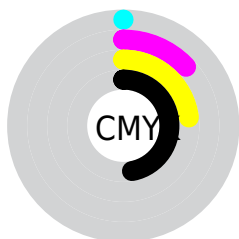
Blue (41%)



Red (53%)

Yellow (49%)

Blue (41%)

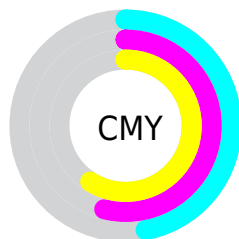


Cyan (0%)

Magenta (13%)

Yellow (23%)

Black (47%)



Cyan (47%)


Magenta (54%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8730, 0.3526, 0.3530 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 18.8730, 0.3526, 0.3530 by changing the saturation by 10% instead.


 18.8730, 0.3526,
0.3530


 18.8730, 0.3526,
0.3530


245.7468, 0.3296,
0.3395


 11.5785, 0.3597,
0.3570


 41.5194, 0.3433,
0.3477


 6.4574, 0.3699,
0.3626


 57.6401, 0.3401,
0.3458

 3.1251, 0.3855,
0.3708


 77.4717, 0.3375,
0.3442

 1.1974, 0.4189,
0.3897

 101.3986, 0.3354,
0.3430

 0.0596, 0.7444,
0.2556

129.8051, 0.3336,
0.3419

 0.0000, 0.0000,
0.0000


163.0758, 0.3321,


0.3410


201.5948, 0.3307,
0.3402


 18.8730, 0.3526,
0.3530


 18.8730, 0.3526,
0.3530


 16.8713, 0.3743,
0.3641

 21.0731, 0.3336,
0.3422


 15.0597, 0.3989,
0.3750


 23.4746, 0.3172,
0.3319


 13.4329, 0.4261,
0.3851


 26.0837, 0.3030,
0.3223

 11.9843, 0.4555,
0.3936


 28.9055, 0.2907,
0.3135


 10.7071, 0.4858,
0.3991


 31.9448, 0.2801,
0.3053

 9.5937, 0.5153,
0.4007

 35.2064, 0.2709,
0.2978

 8.6357, 0.5419,
0.3974

 38.6949, 0.2629,
0.2909

 8.0453, 0.5598,
0.3937

 42.4147, 0.2559,
0.2847

 46.3702, 0.2498,
0.2789

Harmonies

Analogous

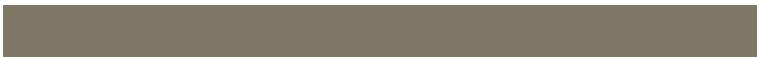
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.8730, 0.3514, 0.3369



18.8730, 0.3526, 0.3530



18.8730, 0.3428, 0.3634

Triad

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



18.8730, 0.3526, 0.3530



18.8730, 0.2864, 0.3382



18.8730, 0.2995, 0.2960

Complementary

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



18.8730, 0.3526, 0.3530



18.6061, 0.2781, 0.3037

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.



18.8730, 0.2829, 0.2954



18.8730, 0.3526, 0.3530



18.8730, 0.2755, 0.3191

Square

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



18.8730, 0.3526, 0.3530



18.8730, 0.3044, 0.3553



18.8730, 0.2743, 0.3035



18.8730, 0.3202, 0.3047

Rectangle

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



18.8730, 0.3526, 0.3530



18.8730, 0.3315, 0.3654



18.8730, 0.2743, 0.3035



18.8730, 0.2933, 0.2948

Sweetspot

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



18.8739, 0.3526, 0.3530



40.1942, 0.3238, 0.3361



16.4549, 0.3323, 0.2962



9.2610, 0.3245, 0.3366



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.



18.8739, 0.3526, 0.3530



31.7291, 0.3645, 0.3592



22.7677, 0.3469, 0.3797



4.9862, 0.3270, 0.3382



7.4433, 0.5592, 0.3942



0.0397, 0.4914, 0.4480

Inverse Universe

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



18.6061, 0.2781, 0.3037



31.1531, 0.2695, 0.2966



15.1160, 0.2758, 0.2726



4.9599, 0.2992, 0.3197



6.7079, 0.1860, 0.1896



0.0377, 0.2048, 0.2571

Previews

White Background



This preview shows how the Yxy color 18.8730, 0.3526, 0.3530 looks on a white background.

Color Contrast Check

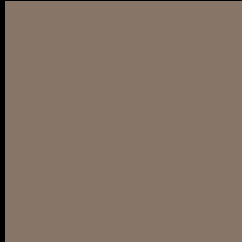
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8730, 0.3526, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

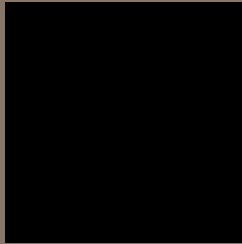
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8730, 0.3526, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 18.8730, 0.3526, 0.3530.

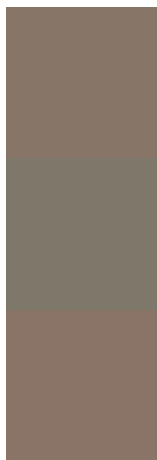


This preview shows how white text looks on a background with the Yxy color 18.8730, 0.3526, 0.3530.

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

18.8730, 0.3526, 0.3530

Protanopia

18.9092, 0.3371, 0.3556

Deuteranopia

18.8935, 0.3570, 0.3509



Tritanopia

18.7831, 0.3318, 0.3130

Trichromacy



Original Color
18.8730, 0.3526, 0.3530

Protanomaly
18.8807, 0.3426, 0.3554

Deuteranomaly
18.8086, 0.3557, 0.3510

Tritanomaly
18.7567, 0.3391, 0.3273

Monochromacy



Original Color
18.8730, 0.3526, 0.3530

Achromatopsia
19.1202, 0.3127, 0.3290

Achromatomaly
19.1064, 0.3262, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8730, 0.3526, 0.3530 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, 117, 104)` looks like.

```
.text, #text, p{  
    color:rgb(135, 117, 104)  
}
```

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, 117, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 117, 104) }
```

Border

The CSS property to change the border of an element to Yxy 18.8730, 0.3526, 0.3530 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, 117, 104) }
```

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

```
.border{ border-color:rgb(135, 117, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 117, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 117, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 117, 104);  
box-shadow:4px 4px 4px 4px rgb(135, 117,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8730, 0.3526, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 117, 104) }
```

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

```
.background{ background-color: rgb(135,  
117, 104) }
```

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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