

Converting Colors

$Y_{xy}(18.8667, 0.3520, 0.3746)$

Have a look what the booklet for
Yxy(18.8667, 0.3520, 0.3746)
contains.

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Color

Yxy(18.8667, 0.3520, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	807860
RGB	128, 120, 96
RGB Percent	50%, 47%, 38%
CMY	0.4981, 0.5294, 0.6236
CMYK	0.00, 0.06, 0.25, 0.50
HSL	45°, 14%, 44%
HSV	45°, 25%, 50%
XYZ	17.7285, 18.8667, 13.7698
YIQ	119.6560, 12.4720, -5.7680

Conversions

Conversions Part 2

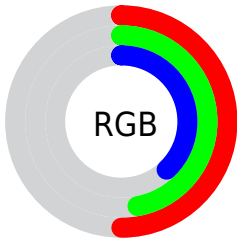
Format	Color
RYB	107, 128, 96
Decimal	8419424
CIELab	50.53, -1.09, 14.32
CIELCh	51, 14.361, 94.355
Yxy	18.8667, 0.3520, 0.3746
Android (android.graphics.Color)	4286609504 (0xFF807860)
YUV	119.6560, -11.6624, 7.3177
Hunter-Lab	43.4358, -3.1574, 11.6093

Details

The Yxy color **18.8667, 0.3520, 0.3746** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9390, 0.2733, 0.2788**, and the grayscale version is **18.7016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4354, 0.3426, 0.3633**, and **6.4847, 0.3664, 0.3937** is the 20% darker color. If you saturate the color by 10%, you get **17.8953, 0.3695, 0.3934**, and if you desaturate by 10%, it is **19.9038, 0.3354, 0.3559**.

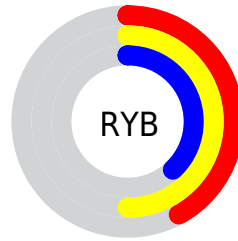
Distribution



Red (50%)

Green (47%)

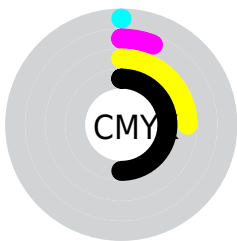
Blue (38%)



Red (42%)

Yellow (50%)

Blue (38%)

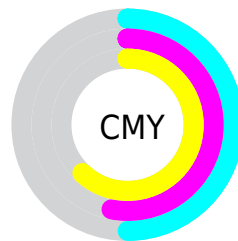


Cyan (0%)

Magenta (6%)

Yellow (25%)

Black (50%)



Cyan (50%)


Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8667, 0.3520, 0.3746 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 18.8667, 0.3520, 0.3746 by changing the saturation by 10% instead.


 18.8667, 0.3520,
0.3746


 18.8667, 0.3520,
0.3746


245.7119, 0.3295,
0.3484


 11.5740, 0.3588,
0.3826


 41.5087, 0.3430,
0.3641

 6.4543, 0.3683,
0.3939


 57.6269, 0.3399,
0.3605

 3.1232, 0.3826,
0.4110

 77.4556, 0.3374,
0.3575

 1.1964, 0.4300,
0.4656

 101.3793, 0.3353,
0.3550

 0.0588, 0.3322,
0.6678

129.7824, 0.3335,
0.3530

 0.0000, 0.0000,
0.0000

163.0492, 0.3320,

0.3512

201.5643, 0.3307,
0.3497

■ 18.8667, 0.3520,
0.3746

■ 18.8667, 0.3520,
0.3746

■ 17.8953, 0.3695,
0.3934

■ 19.9038, 0.3354,
0.3559

■ 16.9850, 0.3875,
0.4115

■ 21.0060, 0.3200,
0.3378

■ 16.1343, 0.4056,
0.4283

■ 22.1761, 0.3058,
0.3205

■ 15.3408, 0.4230,
0.4428

■ 23.4158, 0.2928,
0.3042

■ 14.6017, 0.4390,
0.4541

■ 24.7268, 0.2811,
0.2891

■ 13.9141, 0.4528,
0.4613

■ 26.1108, 0.2706,
0.2751

■ 13.2735, 0.4642,
0.4643

■ 27.5692, 0.2611,
0.2623

■ 12.9654, 0.4697,
0.4653

■ 29.1036, 0.2526,
0.2505

■ 30.7154, 0.2450,
0.2397

Harmonies

Analogous

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



18.8667, 0.3654, 0.3605



18.8667, 0.3520, 0.3746



18.8667, 0.3282, 0.3764

Triad

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



18.8667, 0.3520, 0.3746



18.8667, 0.2639, 0.3151



18.8667, 0.3229, 0.2976

Complementary

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



18.8667, 0.3520, 0.3746



13.9390, 0.2733, 0.2788

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.



18.8667, 0.2956, 0.2861



18.8667, 0.3520, 0.3746



18.8667, 0.2625, 0.2949

Square

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



18.8667, 0.3520, 0.3746



18.8667, 0.2777, 0.3407



18.8667, 0.2738, 0.2848



18.8667, 0.3483, 0.3166

Rectangle

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



18.8667, 0.3520, 0.3746



18.8667, 0.3100, 0.3695



18.8667, 0.2738, 0.2848



18.8667, 0.3136, 0.2927

Sweetspot

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



18.8675, 0.3520, 0.3746



36.3597, 0.3248, 0.3435



13.9509, 0.3502, 0.3135



8.4521, 0.3268, 0.3459



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.8675, 0.3520, 0.3746



32.2369, 0.3618, 0.3853



20.2731, 0.3386, 0.3906



4.8434, 0.3261, 0.3451



12.8599, 0.4697, 0.4653



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.9390, 0.2733, 0.2788



22.0096, 0.2635, 0.2655



12.8637, 0.2823, 0.2635



4.3726, 0.2993, 0.3124



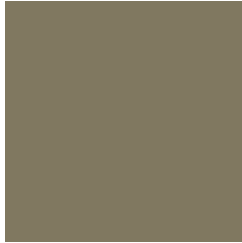
2.5682, 0.1593, 0.0935



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8667, 0.3520, 0.3746 looks on a white background.

Color Contrast Check

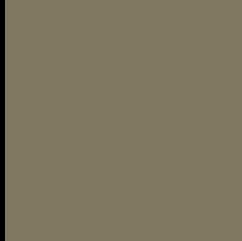
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8667, 0.3520, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

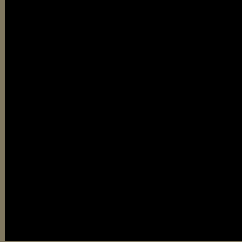
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8667, 0.3520, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 18.8667, 0.3520, 0.3746.



This preview shows how white text looks on a background with the Yxy color 18.8667, 0.3520, 0.3746.

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

18.8667, 0.3520, 0.3746

Protanopia

18.8667, 0.3520, 0.3746

Deuteranopia

18.9293, 0.3689, 0.3633



Tritanopia

18.8770, 0.3224, 0.3127

Trichromacy



Original Color

18.8667, 0.3520, 0.3746

Protanomaly

18.8667, 0.3520, 0.3746

Deuteranomaly

18.8199, 0.3629, 0.3658

Tritanomaly

18.7628, 0.3345, 0.3346

Monochromacy



Original Color

18.8667, 0.3520, 0.3746

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7916, 0.3271, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8667, 0.3520, 0.3746 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(128, 120, 96)` looks like.

```
.text, #text, p{  
    color:rgb(128, 120, 96)  
}
```

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(128, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 120, 96) }
```

Border

The CSS property to change the border of an element to Yxy 18.8667, 0.3520, 0.3746 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(128, 120, 96) }
```

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

```
.border{ border-color:rgb(128, 120, 96) }
```

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

Here you see how a box with a 4 pixel rgb(128, 120, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(128, 120,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8667, 0.3520, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 120, 96) }
```

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

```
.background{ background-color: rgb(128,  
120, 96) }
```

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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