

Converting Colors

$Y_{xy}(18.1448, 0.3584, 0.4073)$

Have a look what the booklet for
Yxy(18.1448, 0.3584, 0.4073)
contains.

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Color

Yxy(18.2619, 0.3587, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	787951
RGB	120, 121, 81
RGB Percent	47%, 47%, 32%
CMY	0.5295, 0.5255, 0.6823
CMYK	0.01, 0.00, 0.33, 0.53
HSL	62°, 20%, 40%
HSV	62°, 33%, 47%
XYZ	16.0671, 18.2619, 10.4635
YIQ	116.1410, 12.2440, -12.6520

Conversions

Conversions Part 2

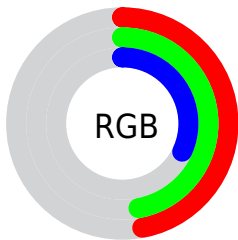
Format	Color
R_{YB}	81, 121, 82
Decimal	7895377
CIE Lab	49.81, -7.21, 21.86
CIE LCh	50, 23.019, 108.256
Yxy	18.2619, 0.3587, 0.4077
Android (android.graphics.Color)	4286085457 (0xFF787951)
YUV	116.1410, -17.3245, 3.3843
Hunter-Lab	42.7339, -7.6721, 15.3964

Details

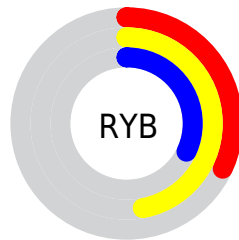
The Yxy color **18.2619, 0.3587, 0.4077** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0614, 0.2582, 0.2369**, and the grayscale version is **17.5619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4101, 0.3486, 0.3884**, and **6.2260, 0.3768, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **18.0750, 0.3720, 0.4307**, and if you desaturate by 10%, it is **18.4829, 0.3448, 0.3838**.

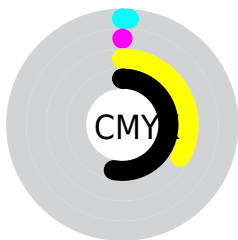
Distribution



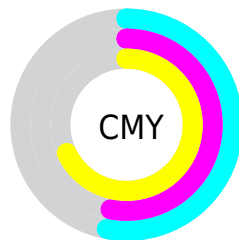
- Red (47%)
- Green (47%)
- Blue (32%)



- Red (32%)
- Yellow (47%)
- Blue (32%)



- Cyan (1%)
- Magenta (0%)
- Yellow (33%)
- Black (53%)



- Cyan (53%)
- Magenta (53%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2619, 0.3587, 0.4077 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 18.2619, 0.3587, 0.4077 by changing the saturation by 10% instead.

■ 18.2619, 0.3587,
0.4077

■ 18.2619, 0.3587,
0.4077

■ 242.3431, 0.3329,
0.3618

■ 11.1382, 0.3660,
0.4219

■ 40.4831, 0.3486,
0.3891

■ 6.1599, 0.3758,
0.4421

■ 56.3494, 0.3451,
0.3827

■ 2.9425, 0.3892,
0.4727

■ 75.8986, 0.3421,
0.3776

■ 1.1018, 0.4374,
0.5626

■ 99.5152, 0.3397,
0.3733

■ 0.0000, 0.0000,
0.0000

■ 127.5835, 0.3376,
0.3697

160.4881, 0.3358,

0.3667

198.6131, 0.3342,
0.3640

■ 18.2619, 0.3587,
0.4077

■ 18.2619, 0.3587,
0.4077

■ 18.0750, 0.3720,
0.4307

■ 18.4829, 0.3448,
0.3838

■ 17.9180, 0.3841,
0.4519

■ 18.7370, 0.3307,
0.3597

■ 17.7899, 0.3946,
0.4705


■ 19.0267, 0.3169,
0.3361


■ 17.6885, 0.4031,
0.4857

■ 19.3532, 0.3035,
0.3134

■ 17.6114, 0.4092,
0.4970


■ 19.7180, 0.2909,
0.2920


 17.5559, 0.4130,
0.5045

 20.1223, 0.2791,
0.2721

 17.5224, 0.4151,
0.5086

 20.5673, 0.2682,
0.2537

 21.0541, 0.2582,
0.2369

 21.5839, 0.2491,
0.2216

Harmonies

Analogous

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



18.2619, 0.3902, 0.3908



18.2619, 0.3587, 0.4077



18.2619, 0.3162, 0.4012

Triad

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



18.2619, 0.3587, 0.4077



18.2619, 0.2321, 0.2885



18.2619, 0.3491, 0.2920

Complementary

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



18.2619, 0.3587, 0.4077



9.0614, 0.2582, 0.2369

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.



18.2619, 0.3043, 0.2684



18.2619, 0.3587, 0.4077



18.2619, 0.2392, 0.2646

Square

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



18.2619, 0.3587, 0.4077



18.2619, 0.2444, 0.3271



18.2619, 0.2647, 0.2583



18.2619, 0.3854, 0.3245

Rectangle

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



18.2619, 0.3587, 0.4077



18.2619, 0.2876, 0.3828



18.2619, 0.2647, 0.2583



18.2619, 0.3343, 0.2829

Sweetspot

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



18.2627, 0.3587, 0.4077



33.6880, 0.3268, 0.3530



10.6449, 0.3840, 0.3306



7.6899, 0.3284, 0.3556



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



18.2627, 0.3587, 0.4077



32.4282, 0.3693, 0.4261



16.9993, 0.3324, 0.4150



4.6290, 0.3252, 0.3502



18.7749, 0.4150, 0.5086



89.4987, 0.4148, 0.5088

Inverse Universe

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



9.0614, 0.2582, 0.2369



13.1438, 0.2425, 0.2106



10.0721, 0.2865, 0.2438



3.8980, 0.2997, 0.3069



1.5000, 0.1513, 0.0607



7.0984, 0.1505, 0.0603

Previews

White Background



This preview shows how the Yxy color 18.2619, 0.3587, 0.4077 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2619, 0.3587, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

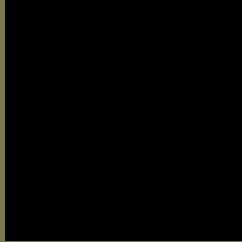
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2619, 0.3587, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 18.2619, 0.3587, 0.4077.



This preview shows how white text looks on a background with the Yxy color 18.2619, 0.3587, 0.4077.

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

18.2619, 0.3587, 0.4077

Protanopia

18.1252, 0.3727, 0.4014

Deuteranopia

18.0975, 0.3905, 0.3830



Tritanopia

18.3314, 0.3135, 0.3123

Trichromacy



Original Color

18.2619, 0.3587, 0.4077

Protanomaly

18.1328, 0.3679, 0.4043

Deuteranomaly

18.0865, 0.3785, 0.3925

Tritanomaly

18.2719, 0.3300, 0.3463

Monochromacy



Original Color

18.2619, 0.3587, 0.4077

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7180, 0.3294, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2619, 0.3587, 0.4077 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(120, 121, 81)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 81)  
}
```

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(120, 121, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 81) }
```

Border

The CSS property to change the border of an element to Yxy 18.2619, 0.3587, 0.4077 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(120, 121, 81) }
```

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

```
.border{ border-color:rgb(120, 121, 81) }
```

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

Here you see how a box with a 4 pixel rgb(120, 121, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 121, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 121, 81);  
box-shadow:4px 4px 4px 4px rgb(120, 121,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2619, 0.3587, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 121, 81) }
```

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

```
.background{ background-color: rgb(120,  
121, 81) }
```

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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