

Converting Colors

$Y_{xy}(18.3231, 0.3550, 0.4021)$

Have a look what the booklet for
Yxy(18.3231, 0.3550, 0.4021)
contains.

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Color

Yxy(18.3079, 0.3552, 0.4018)

Conversions

Conversions Part 1

Format	Color
Hex	787954
RGB	120, 121, 84
RGB Percent	47%, 47%, 33%
CMY	0.5294, 0.5255, 0.6705
CMYK	0.01, 0.00, 0.31, 0.53
HSL	62°, 18%, 40%
HSV	62°, 31%, 47%
XYZ	16.1846, 18.3079, 11.0722
YIQ	116.4830, 11.2810, -11.7190

Conversions

Conversions Part 2

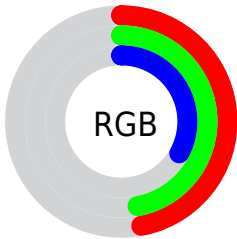
Format	Color
R_{YB}	84, 121, 85
Decimal	7895380
CIE _{Lab}	49.87, -6.78, 20.21
CIE _{LCh}	50, 21.319, 108.534
Yxy	18.3079, 0.3552, 0.4018
Android (android.graphics.Color)	4286085460 (0xFF787954)
YUV	116.4830, -16.0141, 3.0844
Hunter-Lab	42.7877, -7.3604, 14.6089

Details

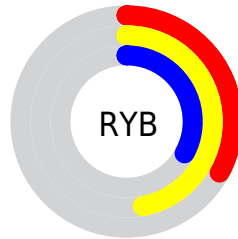
The Yxy color **18.3079, 0.3552, 0.4018** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.6563, 0.2630, 0.2449**, and the grayscale version is **17.6699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4926, 0.3460, 0.3841**, and **6.2446, 0.3719, 0.4357** is the 20% darker color. If you saturate the color by 10%, you get **18.1119, 0.3687, 0.4251**, and if you desaturate by 10%, it is **18.5383, 0.3412, 0.3778**.

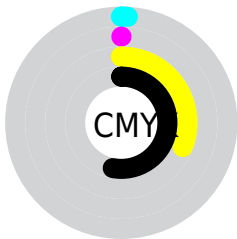
Distribution



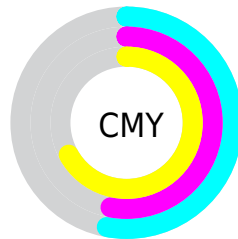
- Red (47%)
- Green (47%)
- Blue (33%)



- Red (33%)
- Yellow (47%)
- Blue (33%)



- Cyan (1%)
- Magenta (0%)
- Yellow (31%)
- Black (53%)





- Cyan (53%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3079, 0.3552, 0.4018 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 18.3079, 0.3552, 0.4018 by changing the saturation by 10% instead.


 18.3079, 0.3552,
0.4018


 18.3079, 0.3552,
0.4018


242.6008, 0.3313,
0.3593


 11.1713, 0.3621,
0.4150


 40.5613, 0.3458,
0.3846

 6.1822, 0.3714,
0.4338

 56.4468, 0.3425,
0.3787


 2.9562, 0.3841,
0.4623

 76.0175, 0.3398,
0.3739

 1.1089, 0.4406,
0.5594

 99.6576, 0.3375,
0.3700

 0.0000, 0.0000,
0.0000

 127.7516, 0.3356,
0.3667

160.6839, 0.3340,

0.3638

198.8388, 0.3325,
0.3614

■ 18.3079, 0.3552,
0.4018

■ 18.3079, 0.3552,
0.4018

■ 18.1119, 0.3687,
0.4251

■ 18.5383, 0.3412,
0.3778

■ 17.9463, 0.3811,
0.4469

■ 18.8024, 0.3272,
0.3537

■ 17.8100, 0.3921,
0.4662

■ 19.1023, 0.3135,
0.3303

■ 17.7010, 0.4010,
0.4823

■ 19.4394, 0.3003,
0.3079

■ 17.6170, 0.4078,
0.4947

■ 19.8151, 0.2879,
0.2869

■ 17.5554, 0.4121,
0.5031

■ 20.2306, 0.2763,
0.2673

■ 17.5088, 0.4148,
0.5088

■ 20.6871, 0.2657,
0.2494

■ 21.1857, 0.2559,
0.2330

■ 21.7275, 0.2470,
0.2181

Harmonies

Analogous

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



18.3079, 0.3844, 0.3868



18.3079, 0.3552, 0.4018



18.3079, 0.3158, 0.3952

Triad

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



18.3079, 0.3552, 0.4018



18.3079, 0.2377, 0.2914



18.3079, 0.3468, 0.2949

Complementary

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



18.3079, 0.3552, 0.4018



9.6563, 0.2630, 0.2449

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.



18.3079, 0.3054, 0.2727



18.3079, 0.3552, 0.4018



18.3079, 0.2445, 0.2691

Square

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



18.3079, 0.3552, 0.4018



18.3079, 0.2491, 0.3271



18.3079, 0.2685, 0.2632



18.3079, 0.3801, 0.3254

Rectangle

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



18.3079, 0.3552, 0.4018



18.3079, 0.2892, 0.3782



18.3079, 0.2685, 0.2632



18.3079, 0.3332, 0.2863

Sweetspot

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



18.3087, 0.3552, 0.4018



33.7380, 0.3253, 0.3505



11.1453, 0.3768, 0.3305



7.7003, 0.3270, 0.3534



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.



18.3087, 0.3552, 0.4018



32.5210, 0.3652, 0.4191



17.1338, 0.3310, 0.4079



4.6287, 0.3251, 0.3502



18.7625, 0.4148, 0.5088



89.4364, 0.4146, 0.5090

Inverse Universe

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



9.6563, 0.2630, 0.2449



14.2872, 0.2487, 0.2209



10.6154, 0.2889, 0.2507



3.8982, 0.2997, 0.3069



1.5011, 0.1513, 0.0607



7.1006, 0.1506, 0.0603

Previews

White Background



This preview shows how the Yxy color 18.3079, 0.3552, 0.4018 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 18.3079, 0.3552, 0.4018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

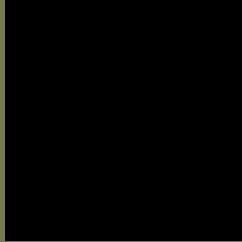
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3079, 0.3552, 0.4018

Background



This preview shows how black text looks on a background with the Yxy color 18.3079, 0.3552, 0.4018.



This preview shows how white text looks on a background with the Yxy color 18.3079, 0.3552, 0.4018.

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

18.3079, 0.3552, 0.4018

Protanopia

18.1706, 0.3690, 0.3958

Deuteranopia

18.3692, 0.3859, 0.3794



Tritanopia

18.3314, 0.3135, 0.3123

Trichromacy



Original Color

18.3079, 0.3552, 0.4018

Protanomaly

18.1782, 0.3643, 0.3986

Deuteranomaly

18.3650, 0.3741, 0.3887

Tritanomaly

18.2936, 0.3287, 0.3444

Monochromacy



Original Color

18.3079, 0.3552, 0.4018

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7383, 0.3282, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3079, 0.3552, 0.4018 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 84) }
```

Border

The CSS property to change the border of an element to Yxy 18.3079, 0.3552, 0.4018 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, 84) }
```

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

```
.border{ border-color:rgb(120, 121, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 121, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 121, 84);  
box-shadow:4px 4px 4px 4px rgb(120, 121,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3079, 0.3552, 0.4018 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, 84) }
```

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

```
.background{ background-color: rgb(120,  
121, 84) }
```

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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