

Converting Colors

$Y_{xy}(18.7381, 0.3398, 0.3884)$

Have a look what the booklet for
Yxy(18.7381, 0.3398, 0.3884)
contains.

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Color

Yxy(18.7381, 0.3398, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	757B5D
RGB	117, 123, 93
RGB Percent	46%, 48%, 36%
CMY	0.5413, 0.5176, 0.6352
CMYK	0.05, 0.00, 0.24, 0.52
HSL	72°, 14%, 42%
HSV	72°, 24%, 48%
XYZ	16.3934, 18.7381, 13.1128
YIQ	117.7860, 6.0540, -10.6020

Conversions

Conversions Part 2

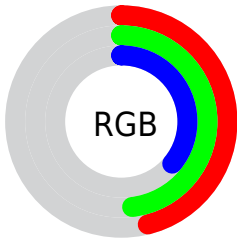
Format	Color
RYB	93, 123, 99
Decimal	7699293
CIELab	50.38, -7.80, 15.68
CIELCh	50, 17.512, 116.436
Yxy	18.7381, 0.3398, 0.3884
Android (android.graphics.Color)	4285889373 (0xFF757B5D)
YUV	117.7860, -12.2195, -0.6893
Hunter-Lab	43.2875, -8.1534, 12.3409

Details

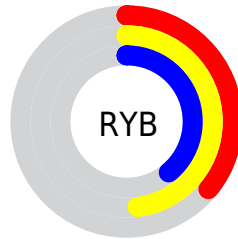
The Yxy color $18.7381, 0.3398, 0.3884$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $11.9175, 0.2813, 0.2652$, and the grayscale version is $18.0836, 0.3127, 0.3290$.

A 20% lighter version of the original color is $41.0781, 0.3341, 0.3744$, and $6.3317, 0.3492, 0.4136$ is the 20% darker color. If you saturate the color by 10%, you get $18.3692, 0.3506, 0.4138$, and if you desaturate by 10%, it is $19.1483, 0.3286, 0.3633$.

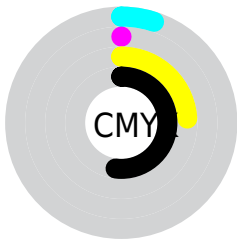
Distribution



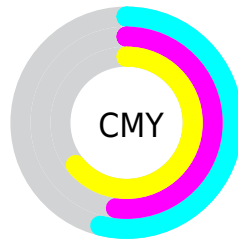
- Red (46%)
- Green (48%)
- Blue (36%)



- Red (36%)
- Yellow (48%)
- Blue (39%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (52%)





- Cyan (54%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7381, 0.3398, 0.3884 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 18.7381, 0.3398, 0.3884 by changing the saturation by 10% instead.


 18.7381, 0.3398,
0.3884


 18.7381, 0.3398,
0.3884


244.9991, 0.3246,
0.3537


 11.4812, 0.3442,
0.3993


 41.2911, 0.3339,
0.3743

 6.3915, 0.3501,
0.4151


 57.3559, 0.3318,
0.3695

 3.0845, 0.3585,
0.4396

 77.1256, 0.3300,
0.3656

 1.1760, 0.4043,
0.5264

 100.9844, 0.3286,
0.3623

 0.0420, 0.0000,
1.0000

129.3167, 0.3274,
0.3596

 0.0000, 0.0000,
0.0000

162.5070, 0.3263,

0.3574

200.9397, 0.3254,
0.3554

■ 18.7381, 0.3398,
0.3884

■ 18.7381, 0.3398,
0.3884

■ 18.3692, 0.3506,
0.4138

■ 19.1483, 0.3286,
0.3633

■ 18.0373, 0.3607,
0.4389

■ 19.5988, 0.3175,
0.3392

■ 17.7414, 0.3696,
0.4626

■ 20.0921, 0.3067,
0.3163

■ 17.4796, 0.3769,
0.4841

■ 20.6294, 0.2963,
0.2951

■ 17.2496, 0.3820,
0.5023

■ 21.2123, 0.2865,
0.2754

■ 17.0488, 0.3849,
0.5167

■ 21.8418, 0.2774,
0.2575

■ 16.8736, 0.3854,
0.5270

■ 22.5194, 0.2689,
0.2412

■ 16.7802, 0.3854,
0.5322

■ 23.2461, 0.2612,
0.2264

■ 24.0232, 0.2540,
0.2131

Harmonies

Analogous

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



18.7381, 0.3664, 0.3811



18.7381, 0.3398, 0.3884



18.7381, 0.3068, 0.3777

Triad

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



18.7381, 0.3398, 0.3884



18.7381, 0.2508, 0.2926



18.7381, 0.3488, 0.3072

Complementary

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



18.7381, 0.3398, 0.3884



11.9175, 0.2813, 0.2652

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.



18.7381, 0.3159, 0.2863



18.7381, 0.3398, 0.3884



18.7381, 0.2605, 0.2772

Square

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



18.7381, 0.3398, 0.3884



18.7381, 0.2565, 0.3195



18.7381, 0.2838, 0.2754



18.7381, 0.3722, 0.3337

Rectangle

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



18.7381, 0.3398, 0.3884



18.7381, 0.2858, 0.3615



18.7381, 0.2838, 0.2754



18.7381, 0.3384, 0.2993

Sweetspot

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



18.7389, 0.3398, 0.3884



34.8591, 0.3206, 0.3458



13.9290, 0.3579, 0.3413



8.2015, 0.3211, 0.3468



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.7389, 0.3398, 0.3884



33.1906, 0.3456, 0.4020



17.7841, 0.3206, 0.3921



4.5952, 0.3227, 0.3503



17.3545, 0.3853, 0.5322



82.4197, 0.3835, 0.5337

Inverse Universe

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



11.9175, 0.2813, 0.2652



18.8518, 0.2732, 0.2493



12.8404, 0.3024, 0.2690



3.9288, 0.3022, 0.3071



1.6875, 0.1622, 0.0667



7.7540, 0.1587, 0.0648

Previews

White Background



This preview shows how the Yxy color 18.7381, 0.3398, 0.3884 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 18.7381, 0.3398, 0.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

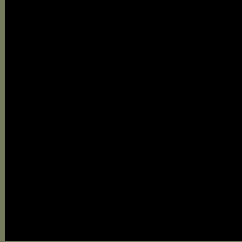
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

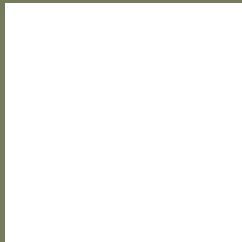
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.7381, 0.3398, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 18.7381, 0.3398, 0.3884.



This preview shows how white text looks on a background with the Yxy color 18.7381, 0.3398, 0.3884.

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

18.7381, 0.3398, 0.3884

Protanopia

18.7775, 0.3581, 0.3841

Deuteranopia

18.6631, 0.3720, 0.3652



Tritanopia

18.6530, 0.3061, 0.3103

Trichromacy



Original Color

18.7381, 0.3398, 0.3884

Protanomaly

18.7325, 0.3511, 0.3850

Deuteranomaly

18.6706, 0.3608, 0.3739

Tritanomaly

18.6638, 0.3185, 0.3386

Monochromacy



Original Color

18.7381, 0.3398, 0.3884

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3886, 0.3231, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7381, 0.3398, 0.3884 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(117, 123, 93)` looks like.

```
.text, #text, p{  
    color:rgb(117, 123, 93)  
}
```

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(117, 123, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 123, 93) }
```

Border

The CSS property to change the border of an element to Yxy 18.7381, 0.3398, 0.3884 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(117, 123, 93) }
```

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

```
.border{ border-color:rgb(117, 123, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 123, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 123, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 123, 93);  
box-shadow:4px 4px 4px 4px rgb(117, 123,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7381, 0.3398, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 123, 93) }
```

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

```
.background{ background-color: rgb(117,  
123, 93) }
```

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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