

Converting Colors

$Y_{xy}(19.0037, 0.3123, 0.3380)$

Have a look what the booklet for
Yxy(19.0037, 0.3123, 0.3380)
contains.

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Color

Yxy(18.9853, 0.3123, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	757A75
RGB	117, 122, 117
RGB Percent	46%, 48%, 46%
CMY	0.5410, 0.5216, 0.5411
CMYK	0.04, 0.00, 0.04, 0.52
HSL	120°, 2%, 47%
HSV	120°, 4%, 48%
XYZ	17.5107, 18.9853, 19.5740
YIQ	119.9350, -1.3750, -2.6150

Conversions

Conversions Part 2

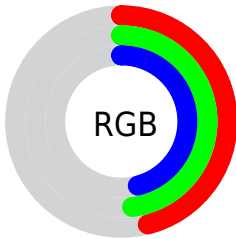
Format	Color
R_{YB}	117, 122, 122
Decimal	7699061
CIE Lab	50.67, -2.86, 2.07
CIE LCh	51, 3.535, 144.125
Yxy	18.9853, 0.3123, 0.3386
Android (android.graphics.Color)	4285889141 (0xFF757A75)
YUV	119.9350, -1.4470, -2.5740
Hunter-Lab	43.5721, -4.5161, 3.8655

Details

The Yxy color **18.9853, 0.3123, 0.3386** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2648, 0.3131, 0.3196**, and the grayscale version is **18.7678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5717, 0.3124, 0.3359**, and **6.4600, 0.3121, 0.3411** is the 20% darker color. If you saturate the color by 10%, you get **17.9307, 0.3112, 0.3644**, and if you desaturate by 10%, it is **20.1879, 0.3133, 0.3160**.

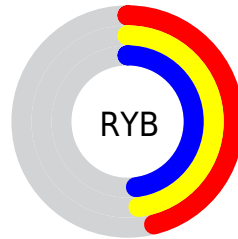
Distribution



Red (46%)

Green (48%)

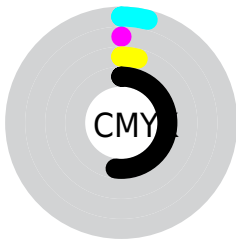
Blue (46%)



Red (46%)

Yellow (48%)

Blue (48%)

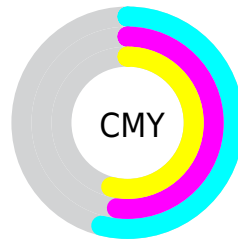


Cyan (4%)

Magenta (0%)

Yellow (4%)

Black (52%)



Cyan (54%)

Magenta (52%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9853, 0.3123, 0.3386 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 18.9853, 0.3123, 0.3386 by changing the saturation by 10% instead.

■ 18.9853, 0.3123,
0.3386

■ 18.9853, 0.3123,
0.3386

246.3676, 0.3126,
0.3331

■ 11.6597, 0.3122,
0.3403

■ 41.7093, 0.3124,
0.3364

■ 6.5124, 0.3121,
0.3428

■ 57.8764, 0.3124,
0.3356

■ 3.1591, 0.3119,
0.3466

■ 77.7594, 0.3125,
0.3350

■ 1.2153, 0.3114,
0.3534

101.7428, 0.3125,
0.3345

■ 0.0742, 0.0076,
0.9924

130.2109, 0.3125,
0.3340

■ 0.0000, 0.0000,
0.0000

163.5482, 0.3125,

0.3337

202.1389, 0.3125,
0.3333

■ 18.9853, 0.3123,
0.3386

■ 18.9853, 0.3123,
0.3386

■ 17.9307, 0.3112,
0.3644

■ 20.1879, 0.3133,
0.3160

■ 17.0160, 0.3099,
0.3933

■ 21.5412, 0.3141,
0.2964

■ 16.2360, 0.3085,
0.4250

■ 23.0512, 0.3148,
0.2794

■ 15.5845, 0.3069,
0.4587

■ 24.7226, 0.3154,
0.2647

■ 15.0545, 0.3054,
0.4930

■ 26.5600, 0.3160,
0.2521

■ 14.6386, 0.3038,
0.5258

■ 28.5678, 0.3164,
0.2413

■ 14.3283, 0.3024,
0.5546

■ 30.7503, 0.3168,
0.2319

■ 14.1141, 0.3013,
0.5772

■ 33.1115, 0.3171,
0.2238

■ 13.9835, 0.3005,
0.5922

■ 35.6554, 0.3174,
0.2167

Harmonies

Analogous

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



18.9853, 0.3189, 0.3406



18.9853, 0.3123, 0.3386



18.9853, 0.3059, 0.3339

Triad

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



18.9853, 0.3123, 0.3386



18.9853, 0.3017, 0.3186



18.9853, 0.3243, 0.3299

Complementary

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



18.9853, 0.3123, 0.3386



18.2648, 0.3131, 0.3196

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.



18.9853, 0.3196, 0.3242



18.9853, 0.3123, 0.3386



18.9853, 0.3065, 0.3177

Square

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



18.9853, 0.3123, 0.3386



18.9853, 0.2998, 0.3223



18.9853, 0.3130, 0.3197



18.9853, 0.3258, 0.3355

Rectangle

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



18.9853, 0.3123, 0.3386



18.9853, 0.3026, 0.3300



18.9853, 0.3130, 0.3197



18.9853, 0.3230, 0.3279

Sweetspot

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



18.9861, 0.3123, 0.3386



34.0265, 0.3126, 0.3314



19.3182, 0.3184, 0.3383



7.7838, 0.3126, 0.3312



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.



18.9861, 0.3123, 0.3386



33.2029, 0.3122, 0.3411



19.0416, 0.3095, 0.3339



4.5457, 0.3122, 0.3419



14.6591, 0.3002, 0.5998



69.9129, 0.3001, 0.5999

Inverse Universe

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



18.2648, 0.3131, 0.3196



31.6218, 0.3132, 0.3172



18.2078, 0.3160, 0.3241



4.3156, 0.3133, 0.3164



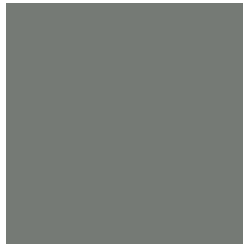
5.7829, 0.3196, 0.1534



27.5718, 0.3195, 0.1534

Previews

White Background



This preview shows how the Yxy color 18.9853, 0.3123, 0.3386 looks on a white background.

Color Contrast Check

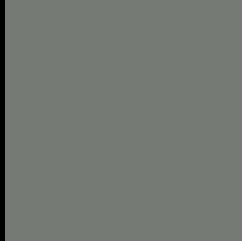
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9853, 0.3123, 0.3386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

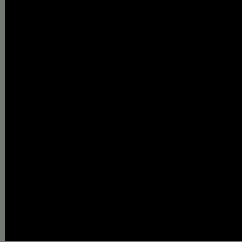
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

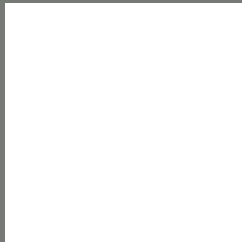
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.9853, 0.3123, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 18.9853, 0.3123, 0.3386.



This preview shows how white text looks on a background with the Yxy color 18.9853, 0.3123, 0.3386.

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

18.9853, 0.3123, 0.3386

Protanopia

18.9790, 0.3224, 0.3366

Deuteranopia

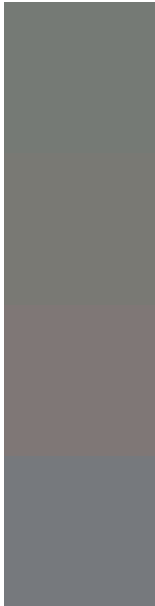
19.0171, 0.3322, 0.3272



Tritanopia

18.9666, 0.3002, 0.3103

Trichromacy



Original Color

18.9853, 0.3123, 0.3386

Protanomaly

19.0006, 0.3185, 0.3385

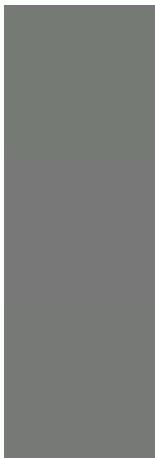
Deuteranomaly

19.0137, 0.3240, 0.3309

Tritanomaly

19.0070, 0.3045, 0.3214

Monochromacy



Original Color

18.9853, 0.3123, 0.3386

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.9286, 0.3125, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9853, 0.3123, 0.3386 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, 122, 117)` looks like.

```
.text, #text, p{  
    color:rgb(117, 122, 117)  
}
```

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, 122, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 122, 117) }
```

Border

The CSS property to change the border of an element to Yxy 18.9853, 0.3123, 0.3386 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, 122, 117) }
```

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

```
.border{ border-color:rgb(117, 122, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 122, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 122, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 122, 117);  
box-shadow:4px 4px 4px 4px rgb(117, 122,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9853, 0.3123, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 122, 117) }
```

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

```
.background{ background-color: rgb(117,  
122, 117) }
```

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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