

Converting Colors

$Y_{xy}(19.2836, 0.3346, 0.3675)$

Have a look what the booklet for
Yxy(19.2836, 0.3346, 0.3675)
contains.

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Color

Yxy(19.2828, 0.3346, 0.3675)

Conversions

Conversions Part 1

Format	Color
Hex	7A7B67
RGB	122, 123, 103
RGB Percent	48%, 48%, 40%
CMY	0.5216, 0.5176, 0.5960
CMYK	0.01, 0.00, 0.16, 0.52
HSL	63°, 9%, 44%
HSV	63°, 16%, 48%
XYZ	17.5565, 19.2828, 15.6309
YIQ	120.4210, 5.8240, -6.4320

Conversions

Conversions Part 2

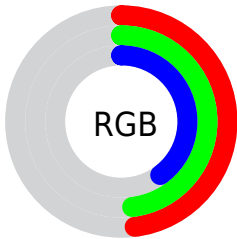
Format	Color
R_{YB}	103, 123, 104
Decimal	8026983
CIE _{Lab}	51.02, -4.11, 10.82
CIE _{LCh}	51, 11.578, 110.792
Yxy	19.2828, 0.3346, 0.3675
Android (android.graphics.Color)	4286217063 (0xFF7A7B67)
YUV	120.4210, -8.5886, 1.3848
Hunter-Lab	43.9122, -5.4802, 9.6338

Details

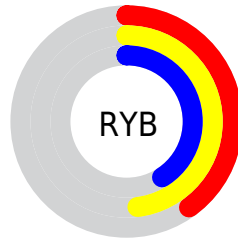
The Yxy color **19.2828, 0.3346, 0.3675** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.0771, 0.2890, 0.2877**, and the grayscale version is **18.9512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1070, 0.3303, 0.3580**, and **6.5995, 0.3433, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **19.0091, 0.3483, 0.3918**, and if you desaturate by 10%, it is **19.5949, 0.3210, 0.3436**.

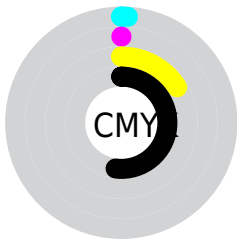
Distribution



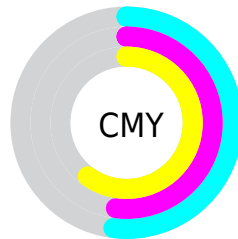
- Red (48%)
- Green (48%)
- Blue (40%)



- Red (40%)
- Yellow (48%)
- Blue (41%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (52%)





- Cyan (52%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2828, 0.3346, 0.3675 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 19.2828, 0.3346, 0.3675 by changing the saturation by 10% instead.


 19.2828, 0.3346,
0.3675


 19.2828, 0.3346,
0.3675


248.0056, 0.3222,
0.3452


 11.8748, 0.3383,
0.3744


 42.2114, 0.3297,
0.3585


 6.6585, 0.3435,
0.3843


 58.5008, 0.3280,
0.3554

 3.2495, 0.3512,
0.3996

 78.5195, 0.3266,
0.3529

 1.2633, 0.3701,
0.4337

 102.6518, 0.3254,
0.3508

 0.1125, 0.0556,
0.9444

131.2822, 0.3244,
0.3491

 0.0000, 0.0000,
0.0000

164.7950, 0.3236,

0.3476

203.5747, 0.3228,
0.3463

■ 19.2828, 0.3346,
0.3675

■ 19.2828, 0.3346,
0.3675

■ 19.0091, 0.3483,
0.3918

■ 19.5949, 0.3210,
0.3436

■ 18.7696, 0.3616,
0.4158

■ 19.9442, 0.3078,
0.3205

■ 18.5634, 0.3742,
0.4387

■ 20.3330, 0.2953,
0.2987

■ 18.3888, 0.3854,
0.4596

■ 20.7627, 0.2835,
0.2783

■ 18.2437, 0.3949,
0.4776

■ 21.2346, 0.2726,
0.2595

■ 18.1258, 0.4022,
0.4921

■ 21.7497, 0.2625,
0.2423

■ 18.0326, 0.4071,
0.5027

■ 22.3094, 0.2533,
0.2266

■ 17.9591, 0.4099,
0.5096

■ 22.9147, 0.2449,
0.2124

■ 17.9328, 0.4108,
0.5120

■ 23.5667, 0.2373,
0.1996

Harmonies

Analogous

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



19.2828, 0.3503, 0.3616



19.2828, 0.3346, 0.3675



19.2828, 0.3133, 0.3624

Triad

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



19.2828, 0.3346, 0.3675



19.2828, 0.2714, 0.3084



19.2828, 0.3327, 0.3115

Complementary

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



19.2828, 0.3346, 0.3675



14.0771, 0.2890, 0.2877

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.



19.2828, 0.3109, 0.2984



19.2828, 0.3346, 0.3675



19.2828, 0.2761, 0.2961

Square

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



19.2828, 0.3346, 0.3675



19.2828, 0.2773, 0.3271



19.2828, 0.2903, 0.2927



19.2828, 0.3494, 0.3292

Rectangle

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



19.2828, 0.3346, 0.3675



19.2828, 0.2990, 0.3532



19.2828, 0.2903, 0.2927



19.2828, 0.3257, 0.3065

Sweetspot

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



19.2836, 0.3346, 0.3675



35.1535, 0.3195, 0.3409



15.0934, 0.3415, 0.3311



8.2710, 0.3203, 0.3423



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.



19.2836, 0.3346, 0.3675



34.3127, 0.3404, 0.3778



18.5920, 0.3219, 0.3691



4.6241, 0.3248, 0.3502



18.5489, 0.4108, 0.5120



88.3660, 0.4103, 0.5124

Inverse Universe

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



14.0771, 0.2890, 0.2877



22.8930, 0.2820, 0.2756



14.7105, 0.3022, 0.2893



3.9024, 0.3001, 0.3070



1.5203, 0.1525, 0.0614



7.1410, 0.1511, 0.0606

Previews

White Background



This preview shows how the Yxy color 19.2828, 0.3346, 0.3675 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 19.2828, 0.3346, 0.3675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

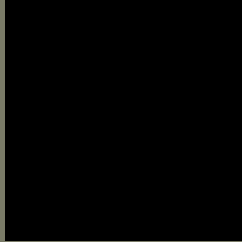
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

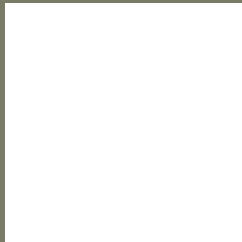
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.2828, 0.3346, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 19.2828, 0.3346, 0.3675.



This preview shows how white text looks on a background with the Yxy color 19.2828, 0.3346, 0.3675.

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

19.2828, 0.3346, 0.3675

Protanopia

19.2232, 0.3443, 0.3649

Deuteranopia

19.2110, 0.3580, 0.3525



Tritanopia

19.2143, 0.3099, 0.3107

Trichromacy



Original Color

19.2828, 0.3346, 0.3675

Protanomaly

19.3140, 0.3413, 0.3670

Deuteranomaly

19.1797, 0.3491, 0.3568

Tritanomaly

19.1490, 0.3190, 0.3290

Monochromacy



Original Color

19.2828, 0.3346, 0.3675

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.9546, 0.3208, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2828, 0.3346, 0.3675 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(122, 123, 103)` looks like.

```
.text, #text, p{  
    color:rgb(122, 123, 103)  
}
```

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(122, 123, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 123, 103) }
```

Border

The CSS property to change the border of an element to Yxy 19.2828, 0.3346, 0.3675 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(122, 123, 103) }
```

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

```
.border{ border-color:rgb(122, 123, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 123, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 123, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 123, 103);  
box-shadow:4px 4px 4px 4px rgb(122, 123,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2828, 0.3346, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 123, 103) }
```

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

```
.background{ background-color: rgb(122,  
123, 103) }
```

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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