

Converting Colors

$Y_{xy}(15.8765, 0.2858, 0.3625)$

Have a look what the booklet for
Yxy(15.8765, 0.2858, 0.3625)
contains.

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Color

Yxy(15.9870, 0.2853, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	527768
RGB	82, 119, 104
RGB Percent	32%, 47%, 41%
CMY	0.6784, 0.5333, 0.5922
CMYK	0.31, 0.00, 0.13, 0.53
HSL	156°, 18%, 39%
HSV	156°, 31%, 47%
XYZ	12.5754, 15.9870, 15.5154
YIQ	106.2270, -17.2370, -12.5090

Conversions

Conversions Part 2

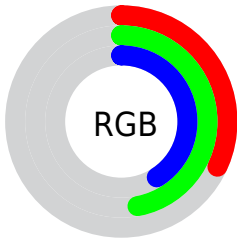
Format	Color
R_{YB}	82, 105, 119
Decimal	5404520
CIE _{Lab}	46.96, -16.59, 4.08
CIE _{LCh}	47, 17.084, 166.170
Yxy	15.9870, 0.2853, 0.3627
Android (android.graphics.Color)	4283594600 (0xFF527768)
YUV	106.2270, -1.0979, -21.2471
Hunter-Lab	39.9837, -13.8311, 4.9816

Details

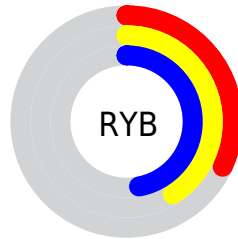
The Yxy color **15.9870, 0.2853, 0.3627** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.8224, 0.3518, 0.2978**, and the grayscale version is **14.4860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3979, 0.2916, 0.3539**, and **5.0331, 0.2722, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **15.4041, 0.2777, 0.3756**, and if you desaturate by 10%, it is **16.6693, 0.2936, 0.3508**.

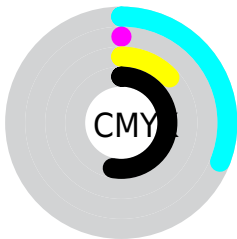
Distribution



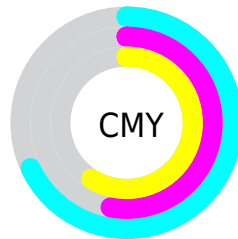
- Red (32%)
- Green (47%)
- Blue (41%)



- Red (32%)
- Yellow (41%)
- Blue (47%)



- Cyan (31%)
- Magenta (0%)
- Yellow (13%)
- Black (53%)




- Cyan (68%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9870, 0.2853, 0.3627 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 15.9870, 0.2853, 0.3627 by changing the saturation by 10% instead.


 15.9870, 0.2853,
0.3627


 15.9870, 0.2853,
0.3627


229.2650, 0.3016,
0.3425


 9.5150, 0.2800,
0.3694


 36.5756, 0.2920,
0.3543


 5.0786, 0.2721,
0.3794

 51.4610, 0.2943,
0.3515


 2.2934, 0.2593,
0.3960

 69.9196, 0.2961,
0.3493

 0.7702, 0.1982,
0.4667

 92.3359, 0.2976,
0.3474

 0.0000, 0.0000,
0.0000

 119.0941, 0.2988,
0.3459

150.5788, 0.2999,

0.3446

187.1743, 0.3008,
0.3435

■ 15.9870, 0.2853,
0.3627

■ 15.9870, 0.2853,
0.3627

■ 15.4041, 0.2777,
0.3756

■ 16.6693, 0.2936,
0.3508

■ 14.9139, 0.2713,
0.3894

■ 17.4537, 0.3025,
0.3399

■ 14.5117, 0.2661,
0.4039

■ 18.3450, 0.3117,
0.3300

■ 14.1916, 0.2626,
0.4189

■ 19.3473, 0.3210,
0.3212

■ 13.9471, 0.2608,
0.4340

■ 20.4642, 0.3303,
0.3133

■ 13.7705, 0.2609,
0.4491

■ 21.6995, 0.3394,
0.3063

■ 13.6449, 0.2618,
0.4625

■ 23.0565, 0.3483,
0.3001

■ 24.5386, 0.3568,
0.2947

■ 26.1489, 0.3650,
0.2900

Harmonies

Analogous

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



15.9870, 0.3184, 0.3851



15.9870, 0.2853, 0.3627



15.9870, 0.2604, 0.3304

Triad

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



15.9870, 0.2853, 0.3627



15.9870, 0.2734, 0.2730



15.9870, 0.3805, 0.3523

Complementary

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



15.9870, 0.2853, 0.3627



10.8224, 0.3518, 0.2978

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.



15.9870, 0.3674, 0.3241



15.9870, 0.2853, 0.3627



15.9870, 0.3041, 0.2800

Square

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



15.9870, 0.2853, 0.3627



15.9870, 0.2539, 0.2796



15.9870, 0.3388, 0.2983



15.9870, 0.3743, 0.3765

Rectangle

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



15.9870, 0.2853, 0.3627



15.9870, 0.2513, 0.3092



15.9870, 0.3388, 0.2983



15.9870, 0.3783, 0.3430

Sweetspot

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



15.9877, 0.2853, 0.3627



31.5350, 0.3042, 0.3380



16.3683, 0.3281, 0.4100



7.4296, 0.3031, 0.3392



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.



15.9877, 0.2853, 0.3627



27.8936, 0.2800, 0.3715



15.5986, 0.2694, 0.3221



4.1313, 0.3044, 0.3378



14.4946, 0.2619, 0.4629



70.4612, 0.2641, 0.4706

Inverse Universe

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



10.8224, 0.3518, 0.2978



17.1472, 0.3638, 0.2907



11.0437, 0.3766, 0.3357



3.7232, 0.3218, 0.3204



4.3945, 0.5269, 0.2676



21.2541, 0.5399, 0.2748

Previews

White Background



This preview shows how the Yxy color 15.9870, 0.2853, 0.3627 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 15.9870, 0.2853, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

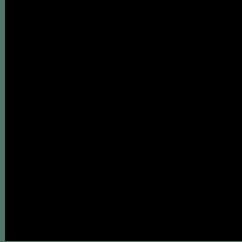
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9870, 0.2853, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 15.9870, 0.2853, 0.3627.

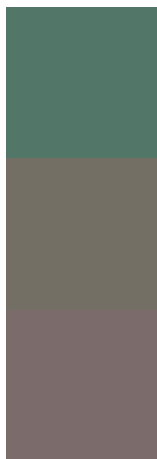


This preview shows how white text looks on a background with the Yxy color 15.9870, 0.2853, 0.3627.

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

15.9870, 0.2853, 0.3627

Protanopia

16.0020, 0.3335, 0.3514

Deuteranopia

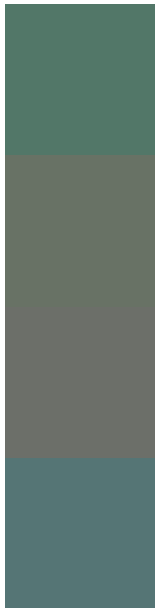
15.7670, 0.3365, 0.3310



Tritanopia

15.9977, 0.2688, 0.3098

Trichromacy



Original Color

15.9870, 0.2853, 0.3627

Protanomaly

15.9173, 0.3153, 0.3566

Deuteranomaly

15.5769, 0.3161, 0.3415

Tritanomaly

15.9382, 0.2748, 0.3289

Monochromacy



Original Color

15.9870, 0.2853, 0.3627

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.9302, 0.3016, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9870, 0.2853, 0.3627 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(82, 119, 104)` looks like.

```
.text, #text, p{  
  color:rgb(82, 119, 104)  
}
```

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(82, 119, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 119, 104) }
```

Border

The CSS property to change the border of an element to Yxy 15.9870, 0.2853, 0.3627 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(82, 119, 104) }
```

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

```
.border{ border-color:rgb(82, 119, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 119, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 119, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 119, 104);  
box-shadow:4px 4px 4px 4px rgb(82, 119,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9870, 0.2853, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 119, 104) }
```

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

```
.background{ background-color: rgb(82, 119,  
104) }
```

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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