

Converting Colors

$Y_{xy}(15.5388, 0.3071, 0.3986)$

Have a look what the booklet for
Yxy(15.5388, 0.3071, 0.3986)
contains.

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Color

Yxy(15.5763, 0.3070, 0.4003)

Conversions

Conversions Part 1

Format	Color
Hex	557657
RGB	85, 118, 87
RGB Percent	33%, 46%, 34%
CMY	0.6666, 0.5373, 0.6589
CMYK	0.28, 0.00, 0.26, 0.54
HSL	124°, 16%, 40%
HSV	124°, 28%, 46%
XYZ	11.9459, 15.5763, 11.3894
YIQ	104.5990, -9.7170, -16.6370

Conversions

Conversions Part 2

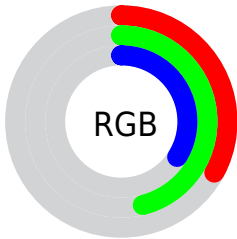
Format	Color
RYB	85, 116, 118
Decimal	5600855
CIELab	46.41, -18.57, 13.38
CIELCh	46, 22.885, 144.236
Yxy	15.5763, 0.3070, 0.4003
Android (android.graphics.Color)	4283790935 (0xFF557657)
YUV	104.5990, -8.6763, -17.1883
Hunter-Lab	39.4668, -15.0384, 10.5167

Details

The Yxy color **15.5763, 0.3070, 0.4003** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.6140, 0.3187, 0.2668**, and the grayscale version is **14.0395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7065, 0.3085, 0.3814**, and **4.8284, 0.3022, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **14.9021, 0.3049, 0.4309**, and if you desaturate by 10%, it is **16.3718, 0.3091, 0.3722**.

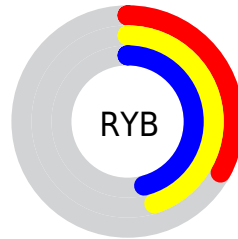
Distribution



Red (33%)

Green (46%)

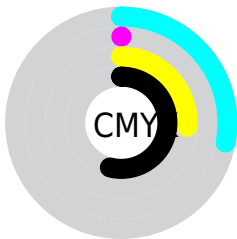
Blue (34%)



Red (33%)

Yellow (45%)

Blue (46%)

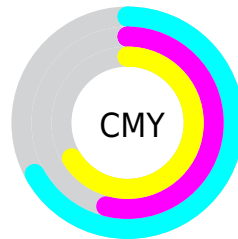


Cyan (28%)

Magenta (0%)

Yellow (26%)

Black (54%)



Cyan (67%)

Magenta (54%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5763, 0.3070, 0.4003 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 15.5763, 0.3070, 0.4003 by changing the saturation by 10% instead.

■ 15.5763, 0.3070,
0.4003

■ 15.5763, 0.3070,
0.4003

■ 226.8284, 0.3111,
0.3568

■ 9.2248, 0.3051,
0.4152

■ 35.8611, 0.3090,
0.3819

■ 4.8881, 0.3019,
0.4380

■ 50.5631, 0.3096,
0.3758

■ 2.1818, 0.2952,
0.4764

■ 68.8176, 0.3100,
0.3710

■ 0.7100, 0.2378,
0.7622

■ 91.0087, 0.3103,
0.3671

■ 0.0000, 0.0000,
0.0000

■ 117.5210, 0.3106,
0.3639

148.7387, 0.3108,

0.3611

185.0464, 0.3110,
0.3588

■ 15.5763, 0.3070,
0.4003

■ 15.5763, 0.3070,
0.4003

■ 14.9021, 0.3049,
0.4309

■ 16.3718, 0.3091,
0.3722

■ 14.3415, 0.3029,
0.4632

■ 17.2921, 0.3112,
0.3470

■ 13.8887, 0.3011,
0.4959

■ 18.3430, 0.3131,
0.3247

■ 13.5369, 0.2997,
0.5269

■ 19.5292, 0.3149,
0.3052

■ 13.2782, 0.2989,
0.5544

■ 20.8554, 0.3165,
0.2882

■ 13.1039, 0.2986,
0.5760

■ 22.3260, 0.3180,
0.2736

■ 12.9928, 0.2984,
0.5911

■ 23.9450, 0.3194,
0.2609

■ 12.9722, 0.2982,
0.5937

■ 25.7165, 0.3206,
0.2500

■ 27.6444, 0.3217,
0.2405

Harmonies

Analogous

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



15.5763, 0.3524, 0.4124



15.5763, 0.3070, 0.4003



15.5763, 0.2651, 0.3637

Triad

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



15.5763, 0.3070, 0.4003



15.5763, 0.2398, 0.2589



15.5763, 0.3942, 0.3314

Complementary

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



15.5763, 0.3070, 0.4003



11.6140, 0.3187, 0.2668

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.



15.5763, 0.3596, 0.2965



15.5763, 0.3070, 0.4003



15.5763, 0.2697, 0.2560

Square

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



15.5763, 0.3070, 0.4003



15.5763, 0.2284, 0.2800



15.5763, 0.3131, 0.2696



15.5763, 0.4048, 0.3682

Rectangle

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



15.5763, 0.3070, 0.4003



15.5763, 0.2445, 0.3330



15.5763, 0.3131, 0.2696



15.5763, 0.3849, 0.3193

Sweetspot

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



15.5770, 0.3070, 0.4003



30.3618, 0.3111, 0.3476



17.3501, 0.3504, 0.3956



6.9312, 0.3109, 0.3506



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.5770, 0.3070, 0.4003



26.5489, 0.3055, 0.4212



15.8716, 0.2894, 0.3622



4.1014, 0.3110, 0.3495



14.0334, 0.2983, 0.5939



68.3431, 0.2993, 0.5973

Inverse Universe

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



11.6140, 0.3187, 0.2668



18.2749, 0.3204, 0.2515



11.2695, 0.3444, 0.2982



3.7544, 0.3145, 0.3093



5.4076, 0.3358, 0.1624



26.3070, 0.3367, 0.1628

Previews

White Background



This preview shows how the Yxy color 15.5763, 0.3070, 0.4003 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 15.5763, 0.3070, 0.4003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

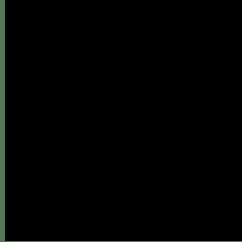
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5763, 0.3070, 0.4003

Background



This preview shows how black text looks on a background with the Yxy color 15.5763, 0.3070, 0.4003.



This preview shows how white text looks on a background with the Yxy color 15.5763, 0.3070, 0.4003.

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

15.5763, 0.3070, 0.4003

Protanopia

15.3437, 0.3583, 0.3827

Deuteranopia

15.3534, 0.3655, 0.3586



Tritanopia

15.4395, 0.2755, 0.3098

Trichromacy



Original Color

15.5763, 0.3070, 0.4003

Protanomaly

15.2317, 0.3383, 0.3897

Deuteranomaly

15.3179, 0.3426, 0.3732

Tritanomaly

15.4894, 0.2874, 0.3421

Monochromacy



Original Color

15.5763, 0.3070, 0.4003

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6304, 0.3115, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5763, 0.3070, 0.4003 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(85, 118, 87)` looks like.

```
.text, #text, p{  
    color:rgb(85, 118, 87)  
}
```

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(85, 118, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 118, 87) }
```

Border

The CSS property to change the border of an element to Yxy 15.5763, 0.3070, 0.4003 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(85, 118, 87) }
```

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

```
.border{ border-color:rgb(85, 118, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 118, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 118, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 118, 87);  
box-shadow:4px 4px 4px 4px rgb(85, 118,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5763, 0.3070, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 118, 87) }
```

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

```
.background{ background-color: rgb(85, 118,  
87) }
```

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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