

Converting Colors

$Y_{xy}(15.5736, 0.3052, 0.3943)$

Have a look what the booklet for
Yxy(15.5736, 0.3052, 0.3943)
contains.

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Color

$Y_{xy}(15.6566, 0.3060, 0.3953)$

Conversions

Conversions Part 1

Format	Color
Hex	567659
RGB	86, 118, 89
RGB Percent	34%, 46%, 35%
CMY	0.6627, 0.5372, 0.6510
CMYK	0.27, 0.00, 0.25, 0.54
HSL	126°, 16%, 40%
HSV	126°, 27%, 46%
XYZ	12.1197, 15.6566, 11.8306
YIQ	105.1260, -9.7630, -15.8030

Conversions

Conversions Part 2

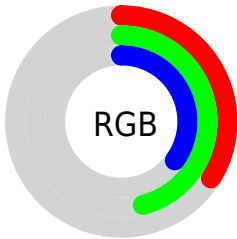
Format	Color
RYB	86, 115, 118
Decimal	5666393
CIELab	46.52, -17.82, 12.36
CIELCh	47, 21.687, 145.261
Yxy	15.6566, 0.3060, 0.3953
Android (android.graphics.Color)	4283856473 (0xFF567659)
YUV	105.1260, -7.9501, -16.7735
Hunter-Lab	39.5684, -14.5706, 9.9708

Details

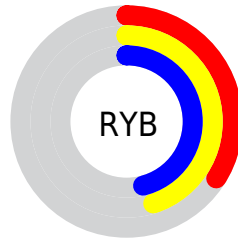
The Yxy color **15.6566, 0.3060, 0.3953** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.7480, 0.3201, 0.2706**, and the grayscale version is **14.1871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8478, 0.3078, 0.3780**, and **4.8620, 0.3008, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **14.9756, 0.3035, 0.4246**, and if you desaturate by 10%, it is **16.4576, 0.3085, 0.3685**.

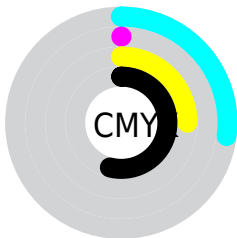
Distribution



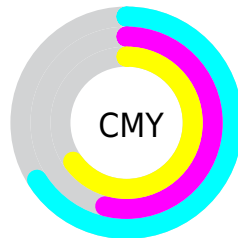
- Red (34%)
- Green (46%)
- Blue (35%)



- Red (34%)
- Yellow (45%)
- Blue (46%)



- Cyan (27%)
- Magenta (0%)
- Yellow (25%)
- Black (54%)



- Cyan (66%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6566, 0.3060, 0.3953 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 15.6566, 0.3060, 0.3953 by changing the saturation by 10% instead.


 15.6566, 0.3060,
0.3953


 15.6566, 0.3060,
0.3953


227.3068, 0.3106,
0.3549


 9.2815, 0.3041,
0.4091


 36.0010, 0.3081,
0.3783


 4.9252, 0.3008,
0.4301

 50.7391, 0.3088,
0.3726


 2.2035, 0.2943,
0.4656

 69.0336, 0.3093,
0.3682

 0.7219, 0.2580,
0.7420

 91.2690, 0.3097,
0.3645

 0.0000, 0.0000,
0.0000

 117.8296, 0.3100,
0.3615

149.0998, 0.3102,

0.3590

185.4641, 0.3104,
0.3568

■ 15.6566, 0.3060,
0.3953

■ 15.6566, 0.3060,
0.3953

■ 14.9756, 0.3035,
0.4246

■ 16.4576, 0.3085,
0.3685

■ 14.4069, 0.3012,
0.4558

■ 17.3818, 0.3110,
0.3444

■ 13.9451, 0.2993,
0.4876

■ 18.4350, 0.3134,
0.3231

■ 13.5834, 0.2979,
0.5184

■ 19.6217, 0.3156,
0.3045

■ 13.3145, 0.2971,
0.5463

■ 20.9465, 0.3177,
0.2883

■ 13.1297, 0.2971,
0.5694

■ 22.4136, 0.3196,
0.2743

■ 13.0110, 0.2974,
0.5863

■ 24.0270, 0.3214,
0.2622

■ 12.9812, 0.2973,
0.5902

■ 25.7907, 0.3230,
0.2517

■ 27.7083, 0.3244,
0.2425

Harmonies

Analogous

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



15.6566, 0.3491, 0.4078



15.6566, 0.3060, 0.3953



15.6566, 0.2665, 0.3604

Triad

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



15.6566, 0.3060, 0.3953



15.6566, 0.2442, 0.2621



15.6566, 0.3905, 0.3328

Complementary

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



15.6566, 0.3060, 0.3953



11.7480, 0.3201, 0.2706

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.



15.6566, 0.3585, 0.2992



15.6566, 0.3060, 0.3953



15.6566, 0.2732, 0.2598

Square

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



15.6566, 0.3060, 0.3953



15.6566, 0.2327, 0.2818



15.6566, 0.3147, 0.2732



15.6566, 0.3997, 0.3676

Rectangle

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



15.6566, 0.3060, 0.3953



15.6566, 0.2472, 0.3315



15.6566, 0.3147, 0.2732



15.6566, 0.3819, 0.3211

Sweetspot

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



15.6573, 0.3060, 0.3953



30.3740, 0.3107, 0.3469



17.2969, 0.3478, 0.3939



6.9344, 0.3104, 0.3498



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.



15.6573, 0.3060, 0.3953



26.7028, 0.3043, 0.4148



15.9495, 0.2889, 0.3586



4.1032, 0.3105, 0.3488



14.0425, 0.2974, 0.5905



68.3717, 0.2986, 0.5951

Inverse Universe

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



11.7480, 0.3201, 0.2706



18.5237, 0.3223, 0.2561



11.4169, 0.3449, 0.3013



3.7524, 0.3150, 0.3100



5.3154, 0.3448, 0.1673



25.8351, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 15.6566, 0.3060, 0.3953 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 15.6566, 0.3060, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

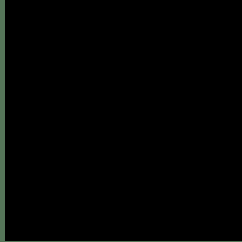
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6566, 0.3060, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 15.6566, 0.3060, 0.3953.



This preview shows how white text looks on a background with the Yxy color 15.6566, 0.3060, 0.3953.

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

15.6566, 0.3060, 0.3953

Protanopia

15.5896, 0.3551, 0.3804

Deuteranopia

15.5928, 0.3622, 0.3566



Tritanopia

15.7400, 0.2758, 0.3099

Trichromacy



Original Color

15.6566, 0.3060, 0.3953

Protanomaly

15.5463, 0.3368, 0.3870

Deuteranomaly

15.3519, 0.3399, 0.3689

Tritanomaly

15.5828, 0.2864, 0.3377

Monochromacy



Original Color

15.6566, 0.3060, 0.3953

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6494, 0.3102, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6566, 0.3060, 0.3953 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(86, 118, 89)` looks like.

```
.text, #text, p{  
    color:rgb(86, 118, 89)  
}
```

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(86, 118, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 118, 89) }
```

Border

The CSS property to change the border of an element to Yxy 15.6566, 0.3060, 0.3953 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(86, 118, 89) }
```

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

```
.border{ border-color:rgb(86, 118, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 118, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 118, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 118, 89);  
box-shadow:4px 4px 4px 4px rgb(86, 118,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6566, 0.3060, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 118, 89) }
```

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

```
.background{ background-color: rgb(86, 118,  
89) }
```

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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