

Converting Colors

$Y_{xy}(15.6235, 0.2799, 0.3862)$

Have a look what the booklet for
Yxy(15.6235, 0.2799, 0.3862)
contains.

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Color

Yxy(15.5427, 0.2800, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	457860
RGB	69, 120, 96
RGB Percent	27%, 47%, 38%
CMY	0.7293, 0.5294, 0.6235
CMYK	0.42, 0.00, 0.20, 0.53
HSL	152°, 27%, 37%
HSV	152°, 42%, 47%
XYZ	11.2833, 15.5427, 13.4714
YIQ	102.0150, -22.6920, -18.2760

Conversions

Conversions Part 2

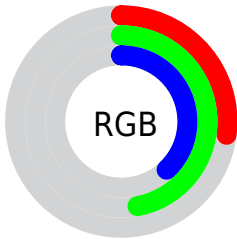
Format	Color
RYB	69, 102, 120
Decimal	4552800
CIELab	46.37, -23.09, 7.87
CIELCh	46, 24.400, 161.174
Yxy	15.5427, 0.2800, 0.3857
Android (android.graphics.Color)	4282742880 (0xFF457860)
YUV	102.0150, -2.9654, -28.9542
Hunter-Lab	39.4242, -17.9055, 7.3373

Details

The Yxy color **15.5427, 0.2800, 0.3857** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0431, 0.3661, 0.2793**, and the grayscale version is **13.3052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9868, 0.2881, 0.3709**, and **4.8752, 0.2632, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **15.0474, 0.2743, 0.4020**, and if you desaturate by 10%, it is **16.1355, 0.2868, 0.3704**.

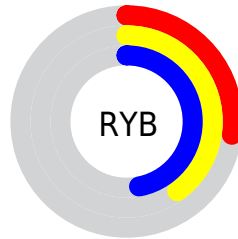
Distribution



Red (27%)

Green (47%)

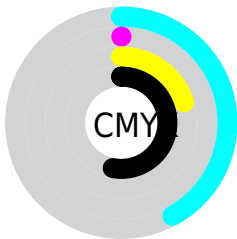
Blue (38%)



Red (27%)

Yellow (40%)

Blue (47%)

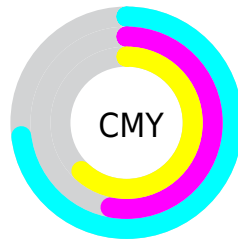


Cyan (42%)

Magenta (0%)

Yellow (20%)

Black (53%)



Cyan (73%)


Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5427, 0.2800, 0.3857 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 15.5427, 0.2800, 0.3857 by changing the saturation by 10% instead.


 15.5427, 0.2800,
0.3857


 15.5427, 0.2800,
0.3857


226.6279, 0.2998,
0.3512


 9.2011, 0.2733,
0.3975


 35.8025, 0.2883,
0.3711


 4.8726, 0.2632,
0.4155

 50.4895, 0.2911,
0.3663

 2.1727, 0.2463,
0.4460

 68.7271, 0.2932,
0.3625

 0.7051, 0.1034,
0.6854

 90.8997, 0.2950,
0.3594

 0.0000, 0.0000,
0.0000

 117.3917, 0.2965,
0.3568

148.5874, 0.2978,

0.3547

184.8714, 0.2989,
0.3528

■ 15.5427, 0.2800,
0.3857

■ 15.5427, 0.2800,
0.3857

■ 15.0474, 0.2743,
0.4020

■ 16.1355, 0.2868,
0.3704

■ 14.6423, 0.2699,
0.4192

■ 16.8290, 0.2943,
0.3562

■ 14.3217, 0.2671,
0.4368

■ 17.6285, 0.3023,
0.3433


■ 14.0788, 0.2661,
0.4545

■ 18.5386, 0.3106,
0.3317


■ 13.9052, 0.2669,
0.4719

■ 19.5633, 0.3190,
0.3213

 13.7972, 0.2680,
0.4848

 20.7065, 0.3274,
0.3120

 21.9721, 0.3356,
0.3038

 23.3636, 0.3435,
0.2966

 24.8844, 0.3511,
0.2902

Harmonies

Analogous

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



15.5427, 0.3277, 0.4148



15.5427, 0.2800, 0.3857



15.5427, 0.2430, 0.3381

Triad

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



15.5427, 0.2800, 0.3857



15.5427, 0.2509, 0.2505



15.5427, 0.4096, 0.3535

Complementary

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



15.5427, 0.2800, 0.3857



9.0431, 0.3661, 0.2793

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.



15.5427, 0.3862, 0.3146



15.5427, 0.2800, 0.3857



15.5427, 0.2917, 0.2578

Square

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



15.5427, 0.2800, 0.3857



15.5427, 0.2275, 0.2617



15.5427, 0.3416, 0.2807



15.5427, 0.4043, 0.3901

Rectangle

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



15.5427, 0.2800, 0.3857



15.5427, 0.2284, 0.3063



15.5427, 0.3416, 0.2807



15.5427, 0.4049, 0.3404

Sweetspot

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



15.5433, 0.2800, 0.3857



30.8806, 0.3016, 0.3444



16.2245, 0.3370, 0.4419



7.2537, 0.3001, 0.3467



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.



15.5433, 0.2800, 0.3857



26.4845, 0.2744, 0.4017



15.8514, 0.2570, 0.3269



4.4821, 0.3051, 0.3393



15.0494, 0.2682, 0.4854



71.6137, 0.2705, 0.4939

Inverse Universe

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



9.0431, 0.3661, 0.2793



13.4274, 0.3845, 0.2684



8.7876, 0.4146, 0.3311



4.0435, 0.3210, 0.3190



4.6702, 0.5010, 0.2533



22.1080, 0.5126, 0.2598

Previews

White Background



This preview shows how the Yxy color 15.5427, 0.2800, 0.3857 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 15.5427, 0.2800, 0.3857 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 15.5427, 0.2800, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 15.5427, 0.2800, 0.3857.



This preview shows how white text looks on a background with the Yxy color 15.5427, 0.2800, 0.3857.

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

15.5427, 0.2800, 0.3857

Protanopia

15.4056, 0.3461, 0.3662

Deuteranopia

15.2891, 0.3483, 0.3410



Tritanopia

15.5080, 0.2578, 0.3092

Trichromacy



Original Color

15.5427, 0.2800, 0.3857

Protanomaly

15.2532, 0.3185, 0.3730

Deuteranomaly

14.9768, 0.3196, 0.3549

Tritanomaly

15.3540, 0.2655, 0.3357

Monochromacy



Original Color

15.5427, 0.2800, 0.3857

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.0310, 0.2985, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5427, 0.2800, 0.3857 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(69, 120, 96)` looks like.

```
.text, #text, p{  
    color:rgb(69, 120, 96)  
}
```

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(69, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 120, 96) }
```

Border

The CSS property to change the border of an element to Yxy 15.5427, 0.2800, 0.3857 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(69, 120, 96) }
```

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

```
.border{ border-color:rgb(69, 120, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 120, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(69, 120,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5427, 0.2800, 0.3857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 120, 96) }
```

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

```
.background{ background-color: rgb(69, 120,  
96) }
```

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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