

Converting Colors

$Y_{xy}(15.0777, 0.3157, 0.2640)$

Have a look what the booklet for
Yxy(15.0777, 0.3157, 0.2640)
contains.

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Color

Yxy(15.0457, 0.3158, 0.2627)

Conversions

Conversions Part 1

Format	Color
Hex	856085
RGB	133, 96, 133
RGB Percent	52%, 38%, 52%
CMY	0.4785, 0.6235, 0.4784
CMYK	0.00, 0.28, 0.00, 0.48
HSL	300°, 16%, 45%
HSV	300°, 28%, 52%
XYZ	18.0869, 15.0457, 24.1407
YIQ	111.2810, 10.1750, 19.3510

Conversions

Conversions Part 2

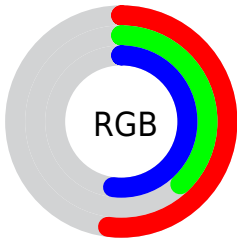
Format	Color
R_{YB}	133, 96, 133
Decimal	8740997
CIE _{Lab}	45.70, 21.66, -14.67
CIE _{LCh}	46, 26.162, 325.881
Yxy	15.0457, 0.3158, 0.2627
Android (android.graphics.Color)	4286931077 (0xFF856085)
YUV	111.2810, 10.7075, 19.0476
Hunter-Lab	38.7888, 15.3528, -9.7477

Details

The Yxy color **15.0457, 0.3158, 0.2627** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.1081, 0.3091, 0.4056**, and the grayscale version is **15.9484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9774, 0.3161, 0.2779**, and **4.6602, 0.3170, 0.2373** is the 20% darker color. If you saturate the color by 10%, you get **12.8204, 0.3169, 0.2393**, and if you desaturate by 10%, it is **17.6829, 0.3147, 0.2867**.

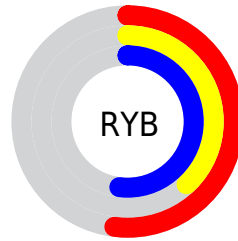
Distribution



Red (52%)

Green (38%)

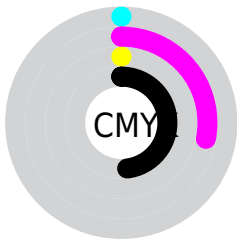
Blue (52%)



Red (52%)

Yellow (38%)

Blue (52%)

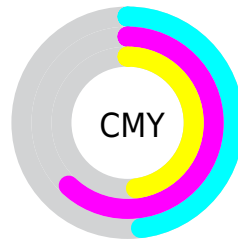


Cyan (0%)

Magenta (28%)

Yellow (0%)

Black (48%)



Cyan (48%)


Magenta (62%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0457, 0.3158, 0.2627 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 15.0457, 0.3158, 0.2627 by changing the saturation by 10% instead.


 15.0457, 0.3158,
0.2627


 15.0457, 0.3158,
0.2627


223.6427, 0.3147,
0.3002


 8.8515, 0.3158,
0.2515


 34.9333, 0.3156,
0.2776


 4.6444, 0.3155,
0.2360


 49.3955, 0.3154,
0.2828

 2.0402, 0.3144,
0.2127

 67.3825, 0.3153,
0.2870

 0.6307, 0.3127,
0.1697

 89.2786, 0.3151,
0.2905

 0.0000, 0.1302,
0.0000

115.4683, 0.3150,
0.2935

 0.0000, 0.0000,
0.0000

146.3359, 0.3149,

0.2961

182.2659, 0.3148,
0.2983

■ 15.0457, 0.3158,
0.2627

■ 15.0457, 0.3158,
0.2627

■ 12.8204, 0.3169,
0.2393

■ 17.6829, 0.3147,
0.2867

■ 10.9844, 0.3179,
0.2175

■ 20.7493, 0.3136,
0.3107

■ 9.5160, 0.3188,
0.1980

■ 24.2636, 0.3125,
0.3340

■ 8.3903, 0.3195,
0.1817

■ 28.2426, 0.3114,
0.3563

■ 7.5797, 0.3201,
0.1691

■ 32.7025, 0.3105,
0.3772

7.0520, 0.3205,
0.1605

37.6586, 0.3096,
0.3965

6.7378, 0.3207,
0.1552

43.1255, 0.3087,
0.4144

6.6744, 0.3208,
0.1541

49.1173, 0.3080,
0.4306

55.6474, 0.3073,
0.4454

Harmonies

Analogous

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



15.0457, 0.2655, 0.2462



15.0457, 0.3158, 0.2627



15.0457, 0.3695, 0.2936

Triad

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



15.0457, 0.3158, 0.2627



15.0457, 0.3981, 0.4100



15.0457, 0.2250, 0.3127

Complementary

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



15.0457, 0.3158, 0.2627



20.1081, 0.3091, 0.4056

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.



15.0457, 0.2555, 0.3664



15.0457, 0.3158, 0.2627



15.0457, 0.3550, 0.4260

Square

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



15.0457, 0.3158, 0.2627



15.0457, 0.4188, 0.3750



15.0457, 0.3026, 0.4108



15.0457, 0.2166, 0.2703

Rectangle

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



15.0457, 0.3158, 0.2627



15.0457, 0.3983, 0.3195



15.0457, 0.3026, 0.4108



15.0457, 0.2329, 0.3301

Sweetspot

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



15.0464, 0.3158, 0.2627



36.9400, 0.3136, 0.3098



12.6618, 0.2665, 0.2538



8.1479, 0.3138, 0.3067



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



15.0464, 0.3158, 0.2627



24.4911, 0.3165, 0.2487



14.5951, 0.3410, 0.2935



4.7627, 0.3137, 0.3076



6.3576, 0.3208, 0.1541



0.0220, 0.3209, 0.1541

Inverse Universe

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



14.1995, 0.3702, 0.3291



22.7275, 0.3875, 0.3292



20.4747, 0.2916, 0.3676



4.6887, 0.3279, 0.3290



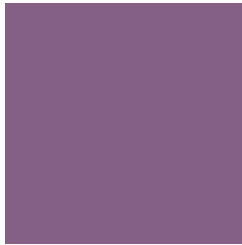
4.7499, 0.6400, 0.3299



0.0165, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 15.0457, 0.3158, 0.2627 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 15.0457, 0.3158, 0.2627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

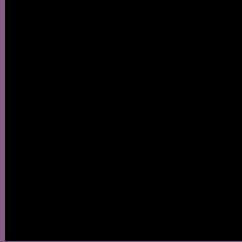
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0457, 0.3158, 0.2627

Background



This preview shows how black text looks on a background with the Yxy color 15.0457, 0.3158, 0.2627.



This preview shows how white text looks on a background with the Yxy color 15.0457, 0.3158, 0.2627.

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

15.0457, 0.3158, 0.2627

Protanopia

15.1478, 0.2651, 0.2621

Deuteranopia

15.1349, 0.2850, 0.2795



Tritanopia

15.1359, 0.3456, 0.3157

Trichromacy



Original Color

15.0457, 0.3158, 0.2627

Protanomaly

14.9802, 0.2819, 0.2620

Deuteranomaly

14.9506, 0.2952, 0.2715

Tritanomaly

15.0333, 0.3346, 0.2954

Monochromacy



Original Color

15.0457, 0.3158, 0.2627

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.5619, 0.3139, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0457, 0.3158, 0.2627 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(133, 96, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 96, 133)  
}
```

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(133, 96, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 96, 133) }
```

Border

The CSS property to change the border of an element to Yxy 15.0457, 0.3158, 0.2627 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(133, 96, 133) }
```

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

```
.border{ border-color:rgb(133, 96, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 96, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 96, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 96, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 96,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0457, 0.3158, 0.2627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 96, 133) }
```

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

```
.background{ background-color: rgb(133, 96,  
133) }
```

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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