

Converting Colors

$Y_{xy}(15.6167, 0.2885, 0.2589)$

Have a look what the booklet for
Yxy(15.6167, 0.2885, 0.2589)
contains.

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Color

Yxy(15.6167, 0.2885, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	78678D
RGB	120, 103, 141
RGB Percent	47%, 40%, 55%
CMY	0.5295, 0.5960, 0.4470
CMYK	0.15, 0.27, 0.00, 0.45
HSL	267°, 16%, 48%
HSV	267°, 27%, 55%
XYZ	17.4022, 15.6167, 27.3006
YIQ	112.4150, -2.0660, 15.4220

Conversions

Conversions Part 2

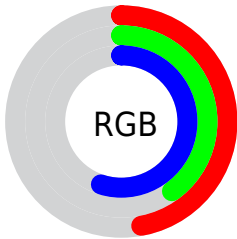
Format	Color
R_{YB}	120, 103, 141
Decimal	7890829
CIE _{Lab}	46.47, 14.66, -18.41
CIE _{LCh}	46, 23.536, 308.528
Yxy	15.6167, 0.2885, 0.2589
Android (android.graphics.Color)	4286080909 (0xFF78678D)
YUV	112.4150, 14.0924, 6.6520
Hunter-Lab	39.5180, 9.4479, -13.2973

Details

The Yxy color **15.6167, 0.2885, 0.2589** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.3206, 0.3323, 0.3982**, and the grayscale version is **16.2896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9356, 0.2947, 0.2741**, and **4.9233, 0.2763, 0.2305** is the 20% darker color. If you saturate the color by 10%, you get **12.5092, 0.2771, 0.2299**, and if you desaturate by 10%, it is **19.2441, 0.2986, 0.2866**.

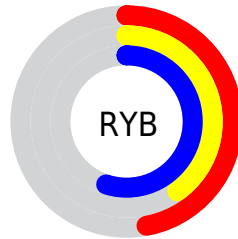
Distribution



Red (47%)

Green (40%)

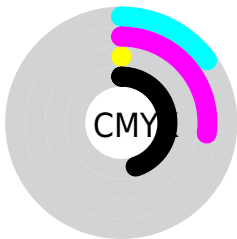
Blue (55%)



Red (47%)

Yellow (40%)

Blue (55%)

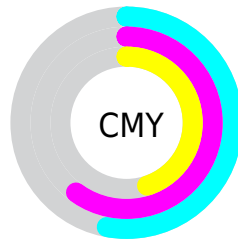


Cyan (15%)

Magenta (27%)

Yellow (0%)

Black (45%)



Cyan (53%)

Magenta (60%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6167, 0.2885, 0.2589 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 15.6167, 0.2885, 0.2589 by changing the saturation by 10% instead.

■ 15.6167, 0.2885,
0.2589

■ 15.6167, 0.2885,
0.2589

■ 227.0692, 0.3032,
0.2985

■ 9.2533, 0.2836,
0.2472

■ 35.9315, 0.2946,
0.2746

■ 4.9068, 0.2765,
0.2309

■ 50.6517, 0.2967,
0.2801

■ 2.1927, 0.2650,
0.2067

■ 68.9263, 0.2983,
0.2846

■ 0.7160, 0.2445,
0.1661

■ 91.1397, 0.2996,
0.2883

■ 0.0000, 0.0000,
0.0000

■ 117.6763, 0.3007,
0.2915

■ 148.9205, 0.3017,

0.2942

185.2567, 0.3025,
0.2965

■ 15.6167, 0.2885,
0.2589

■ 15.6167, 0.2885,
0.2589

■ 12.5092, 0.2771,
0.2299

■ 19.2441, 0.2986,
0.2866

■ 9.8948, 0.2645,
0.2004

■ 23.4126, 0.3074,
0.3123

■ 7.7473, 0.2510,
0.1714

■ 28.1445, 0.3149,
0.3360

■ 6.0372, 0.2371,
0.1445

■ 33.4602, 0.3213,
0.3574

■ 4.7314, 0.2231,
0.1210

■ 39.3792, 0.3267,
0.3767

■ 3.7918, 0.2100,
0.1022

■ 45.9200, 0.3312,
0.3940

■ 3.1527, 0.1980,
0.0884

■ 53.1003, 0.3350,
0.4094

■ 2.9793, 0.1945,
0.0845

■ 60.9371, 0.3381,
0.4231

■ 69.4468, 0.3408,
0.4352

Harmonies

Analogous

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



15.6167, 0.2503, 0.2534



15.6167, 0.2885, 0.2589



15.6167, 0.3363, 0.2798

Triad

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



15.6167, 0.2885, 0.2589



15.6167, 0.4025, 0.3853



15.6167, 0.2479, 0.3421

Complementary

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



15.6167, 0.2885, 0.2589



24.3206, 0.3323, 0.3982

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.



15.6167, 0.2851, 0.3869



15.6167, 0.2885, 0.2589



15.6167, 0.3748, 0.4101

Square

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



15.6167, 0.2885, 0.2589



15.6167, 0.4051, 0.3495



15.6167, 0.3315, 0.4126



15.6167, 0.2284, 0.2972

Rectangle

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



15.6167, 0.2885, 0.2589



15.6167, 0.3671, 0.3004



15.6167, 0.3315, 0.4126



15.6167, 0.2587, 0.3580

Sweetspot

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



15.6173, 0.2885, 0.2589



40.9557, 0.3064, 0.3093



19.3595, 0.2718, 0.2976



8.9105, 0.3052, 0.3059



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



15.6173, 0.2885, 0.2589



24.6602, 0.2821, 0.2424



17.0698, 0.3124, 0.2637



5.3655, 0.3055, 0.3067



2.7253, 0.1949, 0.0847



0.0388, 0.2446, 0.1121

Inverse Universe

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



16.8222, 0.3381, 0.2920



27.2165, 0.3452, 0.2838



23.0687, 0.3119, 0.4027



5.4709, 0.3201, 0.3169



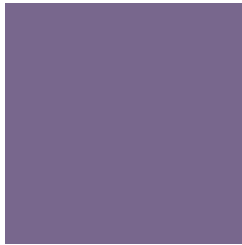
5.6685, 0.4686, 0.2355



0.0586, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 15.6167, 0.2885, 0.2589 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 15.6167, 0.2885, 0.2589 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 15.6167, 0.2885, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 15.6167, 0.2885, 0.2589.



This preview shows how white text looks on a background with the Yxy color 15.6167, 0.2885, 0.2589.

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

15.6167, 0.2885, 0.2589

Protanopia

15.6909, 0.2617, 0.2593

Deuteranopia

15.6218, 0.2720, 0.2669



Tritanopia

15.6991, 0.3135, 0.3131

Trichromacy



Original Color

15.6167, 0.2885, 0.2589

Protanomaly

15.6548, 0.2701, 0.2585

Deuteranomaly

15.5165, 0.2776, 0.2640

Tritanomaly

15.5706, 0.3037, 0.2920

Monochromacy



Original Color

15.6167, 0.2885, 0.2589

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.0122, 0.3034, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6167, 0.2885, 0.2589 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(120, 103, 141)` looks like.

```
.text, #text, p{  
    color:rgb(120, 103, 141)  
}
```

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(120, 103, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 103, 141) }
```

Border

The CSS property to change the border of an element to Yxy 15.6167, 0.2885, 0.2589 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(120, 103, 141) }
```

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

```
.border{ border-color:rgb(120, 103, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 103, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 103, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 103, 141);  
box-shadow:4px 4px 4px 4px rgb(120, 103,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6167, 0.2885, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 103, 141) }
```

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

```
.background{ background-color: rgb(120,  
103, 141) }
```

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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