

Converting Colors

$Y_{xy}(15.8593, 0.3190, 0.2701)$

Have a look what the booklet for
Yxy(15.8593, 0.3190, 0.2701)
contains.

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Color

Yxy(15.7680, 0.3183, 0.2686)

Conversions

Conversions Part 1

Format	Color
Hex	876385
RGB	135, 99, 133
RGB Percent	53%, 39%, 52%
CMY	0.4706, 0.6117, 0.4784
CMYK	0.00, 0.27, 0.01, 0.47
HSL	303°, 15%, 46%
HSV	303°, 27%, 53%
XYZ	18.6856, 15.7680, 24.2508
YIQ	113.6400, 10.5420, 18.2060

Conversions

Conversions Part 2

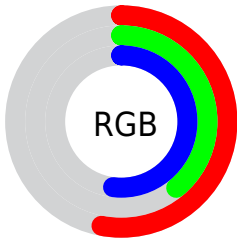
Format	Color
R_{YB}	135, 99, 133
Decimal	8872837
CIE _{Lab}	46.67, 20.61, -13.18
CIE _{LCh}	47, 24.464, 327.394
Yxy	15.7680, 0.3183, 0.2686
Android (android.graphics.Color)	4287062917 (0xFF876385)
YUV	113.6400, 9.5445, 18.7327
Hunter-Lab	39.7089, 14.5051, -8.4129

Details

The Yxy color **15.7680, 0.3183, 0.2686** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9165, 0.3074, 0.3979**, and the grayscale version is **16.6827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1767, 0.3179, 0.2821**, and **5.0118, 0.3211, 0.2462** is the 20% darker color. If you saturate the color by 10%, you get **13.4005, 0.3207, 0.2461**, and if you desaturate by 10%, it is **18.5646, 0.3161, 0.2916**.

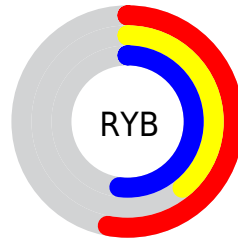
Distribution



Red (53%)

Green (39%)

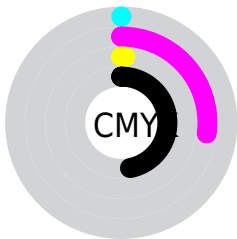
Blue (52%)



Red (53%)

Yellow (39%)

Blue (52%)

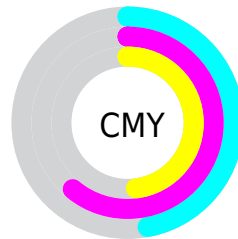


Cyan (0%)

Magenta (27%)

Yellow (1%)

Black (47%)



Cyan (47%)


Magenta (61%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7680, 0.3183, 0.2686 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 15.7680, 0.3183, 0.2686 by changing the saturation by 10% instead.


 15.7680, 0.3183,
0.2686


 15.7680, 0.3183,
0.2686


227.9688, 0.3156,
0.3027


 9.3601, 0.3188,
0.2585


 36.1950, 0.3174,
0.2821


 4.9768, 0.3194,
0.2444


 50.9829, 0.3170,
0.2868

 2.2337, 0.3197,
0.2233

 69.3329, 0.3167,
0.2907

 0.7383, 0.3196,
0.1873

 91.6294, 0.3164,
0.2939

 0.0000, 0.2268,
0.0000

118.2569, 0.3162,
0.2966

 0.0000, 0.0000,
0.0000

149.5997, 0.3160,

0.2989

186.0422, 0.3158,
0.3010

■ 15.7680, 0.3183,
0.2686

■ 15.7680, 0.3183,
0.2686

■ 13.4005, 0.3207,
0.2461

■ 18.5646, 0.3161,
0.2916

■ 11.4388, 0.3231,
0.2248

■ 21.8080, 0.3140,
0.3143

■ 9.8605, 0.3256,
0.2057

■ 25.5173, 0.3121,
0.3363

■ 8.6402, 0.3280,
0.1894

■ 29.7102, 0.3104,
0.3571

■ 7.7496, 0.3303,
0.1768

■ 34.4031, 0.3089,
0.3767

7.1559, 0.3323,
0.1682

39.6119, 0.3076,
0.3948

6.8012, 0.3342,
0.1633

45.3516, 0.3064,
0.4115

6.6966, 0.3348,
0.1618

51.6368, 0.3054,
0.4267

58.4813, 0.3045,
0.4405

Harmonies

Analogous

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



15.7680, 0.2712, 0.2525



15.7680, 0.3183, 0.2686



15.7680, 0.3673, 0.2980

Triad

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



15.7680, 0.3183, 0.2686



15.7680, 0.3901, 0.4054



15.7680, 0.2306, 0.3120

Complementary

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



15.7680, 0.3183, 0.2686



20.9165, 0.3074, 0.3979

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.



15.7680, 0.2581, 0.3609



15.7680, 0.3183, 0.2686



15.7680, 0.3497, 0.4181

Square

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



15.7680, 0.3183, 0.2686



15.7680, 0.4101, 0.3740



15.7680, 0.3013, 0.4022



15.7680, 0.2237, 0.2735

Rectangle

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



15.7680, 0.3183, 0.2686



15.7680, 0.3930, 0.3225



15.7680, 0.3013, 0.4022



15.7680, 0.2376, 0.3279

Sweetspot

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



15.7687, 0.3183, 0.2686



38.1226, 0.3143, 0.3108



13.4298, 0.2708, 0.2564



8.6385, 0.3146, 0.3078



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



15.7687, 0.3183, 0.2686



25.5836, 0.3197, 0.2549



15.3175, 0.3430, 0.2992



4.7585, 0.3145, 0.3087



6.1771, 0.3348, 0.1618



0.0217, 0.3273, 0.1577

Inverse Universe

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



15.7687, 0.3183, 0.2686



25.5836, 0.3197, 0.2549



21.3041, 0.2901, 0.3609



4.7585, 0.3145, 0.3087



6.1771, 0.3348, 0.1618



0.0217, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 15.7680, 0.3183, 0.2686 looks on a white background.

Color Contrast Check

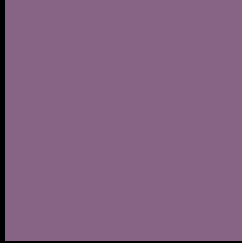
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7680, 0.3183, 0.2686 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 15.7680, 0.3183, 0.2686

Background



This preview shows how black text looks on a background with the Yxy color 15.7680, 0.3183, 0.2686.



This preview shows how white text looks on a background with the Yxy color 15.7680, 0.3183, 0.2686.

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

15.7680, 0.3183, 0.2686

Protanopia

15.9289, 0.2701, 0.2705

Deuteranopia

15.8086, 0.2902, 0.2842



Tritanopia

15.7537, 0.3436, 0.3141

Trichromacy



Original Color

15.7680, 0.3183, 0.2686

Protanomaly

15.7590, 0.2870, 0.2702

Deuteranomaly

15.7622, 0.2991, 0.2780

Tritanomaly

15.8212, 0.3341, 0.2977

Monochromacy



Original Color

15.7680, 0.3183, 0.2686

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4553, 0.3151, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7680, 0.3183, 0.2686 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(135, 99, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 99, 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(135, 99, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 99, 133) }
```

Border

The CSS property to change the border of an element to Yxy 15.7680, 0.3183, 0.2686 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(135, 99, 133) }
```

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

```
.border{ border-color:rgb(135, 99, 133) }
```

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

Here you see how a box with a 4 pixel rgb(135, 99, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 99, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 99, 133);  
box-shadow:4px 4px 4px 4px rgb(135, 99,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7680, 0.3183, 0.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 99, 133) }
```

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

```
.background{ background-color: rgb(135, 99,  
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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