

Converting Colors

$Y_{xy}(12.7798, 0.3676, 0.3092)$

Have a look what the booklet for
Yxy(12.7798, 0.3676, 0.3092)
contains.

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Color

Yxy(12.7858, 0.3676, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	845863
RGB	132, 88, 99
RGB Percent	52%, 35%, 39%
CMY	0.4823, 0.6549, 0.6118
CMYK	0.00, 0.33, 0.25, 0.48
HSL	345°, 20%, 43%
HSV	345°, 33%, 52%
XYZ	15.2599, 12.7858, 13.4666
YIQ	102.4100, 22.6930, 12.7490

Conversions

Conversions Part 2

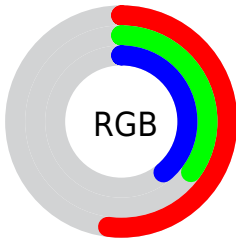
Format	Color
R_{YB}	132, 88, 99
Decimal	8673379
CIE Lab	42.44, 19.86, 1.11
CIE LCh	42, 19.893, 3.198
Yxy	12.7858, 0.3676, 0.3080
Android (android.graphics.Color)	4286863459 (0xFF845863)
YUV	102.4100, -1.6811, 25.9504
Hunter-Lab	35.7572, 13.6024, 2.7007

Details

The Yxy color **12.7858, 0.3676, 0.3080** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.9640, 0.2769, 0.3514**, and the grayscale version is **13.4004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8181, 0.3533, 0.3125**, and **3.6623, 0.3940, 0.2967** is the 20% darker color. If you saturate the color by 10%, you get **10.6340, 0.3922, 0.3016**, and if you desaturate by 10%, it is **15.3546, 0.3472, 0.3146**.

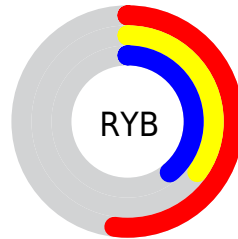
Distribution



Red (52%)

Green (35%)

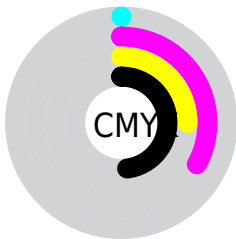
Blue (39%)



Red (52%)

Yellow (35%)

Blue (39%)

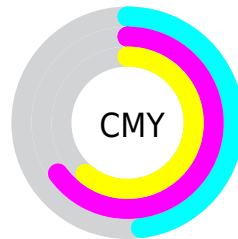


Cyan (0%)

Magenta (33%)

Yellow (25%)

Black (48%)



Cyan (48%)


Magenta (65%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7858, 0.3676, 0.3080 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 12.7858, 0.3676, 0.3080 by changing the saturation by 10% instead.


 12.7858, 0.3676,
0.3080


 12.7858, 0.3676,
0.3080


209.5403, 0.3343,
0.3209


 7.2812, 0.3789,
0.3035


 30.9184, 0.3536,
0.3135


 3.6386, 0.3961,
0.2967

 44.3153, 0.3489,
0.3152


 1.4735, 0.4251,
0.2851

 61.1116, 0.3453,
0.3167

 0.2700, 0.6039,
0.2199

 81.6919, 0.3422,
0.3178

 0.0000, 0.0000,
0.0000

 106.4405, 0.3398,
0.3188

135.7419, 0.3376,

0.3196

169.9803, 0.3358,
0.3203

■ 12.7858, 0.3676,
0.3080

■ 12.7858, 0.3676,
0.3080

■ 10.6340, 0.3922,
0.3016

■ 15.3546, 0.3472,
0.3146

■ 8.8753, 0.4214,
0.2959

■ 18.3590, 0.3304,
0.3210

■ 7.4862, 0.4549,
0.2917


■ 21.8186, 0.3167,
0.3271


■ 6.4400, 0.4916,
0.2898


■ 25.7514, 0.3055,
0.3327

■ 5.7063, 0.5294,
0.2913

■ 30.1743, 0.2963,
0.3379


 5.2483, 0.5646,
0.2966

 35.1034, 0.2888,
0.3427

 5.0171, 0.5864,
0.3004

 40.5542, 0.2826,
0.3470

 46.5412, 0.2774,
0.3510

 53.0788, 0.2731,
0.3546

Harmonies

Analogous

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



12.7858, 0.3264, 0.2799



12.7858, 0.3676, 0.3080



12.7858, 0.3938, 0.3420

Triad

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



12.7858, 0.3676, 0.3080



12.7858, 0.3376, 0.4055



12.7858, 0.2352, 0.2759

Complementary

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



12.7858, 0.3676, 0.3080



19.9640, 0.2769, 0.3514

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.



12.7858, 0.2378, 0.3072



12.7858, 0.3676, 0.3080



12.7858, 0.2951, 0.3866

Square

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



12.7858, 0.3676, 0.3080



12.7858, 0.3750, 0.3998



12.7858, 0.2590, 0.3487



12.7858, 0.2514, 0.2610

Rectangle

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



12.7858, 0.3676, 0.3080



12.7858, 0.3983, 0.3647



12.7858, 0.2590, 0.3487



12.7858, 0.2339, 0.2847

Sweetspot

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



12.7864, 0.3676, 0.3080



34.1446, 0.3258, 0.3229



12.7109, 0.3005, 0.2457



7.7846, 0.3276, 0.3222



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.



12.7864, 0.3676, 0.3080



19.5904, 0.3857, 0.3031



14.5356, 0.3795, 0.3504



4.7064, 0.3243, 0.3236



4.8568, 0.5861, 0.3002



0.0179, 0.4842, 0.2441

Inverse Universe

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



12.7864, 0.3676, 0.3080



19.5904, 0.3857, 0.3031



17.4194, 0.2643, 0.3064



4.7064, 0.3243, 0.3236



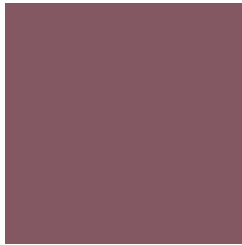
4.8568, 0.5861, 0.3002



0.0179, 0.4842, 0.2441

Previews

White Background



This preview shows how the Yxy color 12.7858, 0.3676, 0.3080 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 12.7858, 0.3676, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

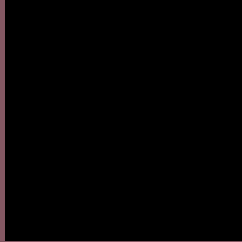
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7858, 0.3676, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 12.7858, 0.3676, 0.3080.



This preview shows how white text looks on a background with the Yxy color 12.7858, 0.3676, 0.3080.

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

12.7858, 0.3676, 0.3080

Protanopia

12.9217, 0.3061, 0.3158

Deuteranopia

12.7920, 0.3341, 0.3291



Tritanopia

12.8765, 0.3738, 0.3176

Trichromacy



Original Color

12.7858, 0.3676, 0.3080

Protanomaly

12.7898, 0.3271, 0.3142

Deuteranomaly

12.8092, 0.3460, 0.3208

Tritanomaly

12.8948, 0.3721, 0.3157

Monochromacy



Original Color

12.7858, 0.3676, 0.3080

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9997, 0.3313, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7858, 0.3676, 0.3080 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(132, 88, 99)` looks like.

```
.text, #text, p{  
    color:rgb(132, 88, 99)  
}
```

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(132, 88, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 88, 99) }
```

Border

The CSS property to change the border of an element to Yxy 12.7858, 0.3676, 0.3080 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(132, 88, 99) }
```

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

```
.border{ border-color:rgb(132, 88, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 88, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 88, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 88, 99);  
box-shadow:4px 4px 4px 4px rgb(132, 88,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7858, 0.3676, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 88, 99) }
```

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

```
.background{ background-color: rgb(132, 88,  
99) }
```

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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