

Converting Colors

$Y_{xy}(12.1485, 0.3390, 0.2975)$

Have a look what the booklet for
Yxy(12.1485, 0.3390, 0.2975)
contains.

Yxy(12.1373, 0.3398, 0.2985)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.1373, 0.3398, 0.2985)

Conversions

Conversions Part 1

Format	Color
Hex	785968
RGB	120, 89, 104
RGB Percent	47%, 35%, 41%
CMY	0.5294, 0.6510, 0.5922
CMYK	0.00, 0.26, 0.13, 0.53
HSL	331°, 15%, 41%
HSV	331°, 26%, 47%
XYZ	13.8166, 12.1373, 14.7071
YIQ	99.9790, 13.6610, 11.2370

Conversions

Conversions Part 2

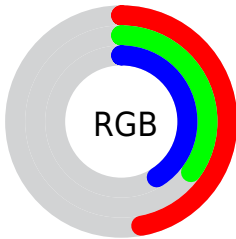
Format	Color
R_{YB}	120, 89, 104
Decimal	7887208
CIE _{Lab}	41.43, 15.34, -3.59
CIE _{LCh}	41, 15.757, 346.817
Yxy	12.1373, 0.3398, 0.2985
Android (android.graphics.Color)	4286077288 (0xFF785968)
YUV	99.9790, 1.9824, 17.5584
Hunter-Lab	34.8386, 9.8234, -0.6421

Details

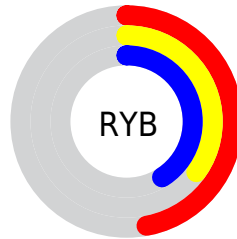
The Yxy color **12.1373, 0.3398, 0.2985** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **16.5785, 0.2921, 0.3617**, and the grayscale version is **12.7308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7160, 0.3334, 0.3059**, and **3.3628, 0.3541, 0.2835** is the 20% darker color. If you saturate the color by 10%, you get **10.1793, 0.3540, 0.2861**, and if you desaturate by 10%, it is **14.4313, 0.3278, 0.3107**.

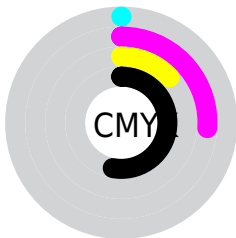
Distribution



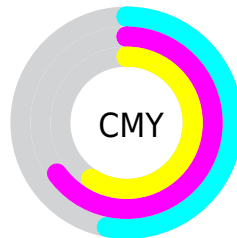
- Red (47%)
- Green (35%)
- Blue (41%)



- Red (47%)
- Yellow (35%)
- Blue (41%)



- Cyan (0%)
- Magenta (26%)
- Yellow (13%)
- Black (53%)





- Cyan (53%)
- Magenta (65%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1373, 0.3398, 0.2985 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 12.1373, 0.3398, 0.2985 by changing the saturation by 10% instead.


 12.1373, 0.3398,
0.2985


 12.1373, 0.3398,
0.2985


205.3121, 0.3234,
0.3168


 6.8373, 0.3453,
0.2924


 29.7449, 0.3329,
0.3061


 3.3605, 0.3537,
0.2833

 42.8213, 0.3307,
0.3087

 1.3227, 0.3677,
0.2683

 59.2586, 0.3289,
0.3107

 0.1587, 0.4741,
0.1432

 79.4411, 0.3274,
0.3123

 0.0000, 0.0000,
0.0000

 103.7534, 0.3261,
0.3137

132.5797, 0.3251,

0.3149

166.3045, 0.3242,
0.3159

■ 12.1373, 0.3398,
0.2985

■ 12.1373, 0.3398,
0.2985

■ 10.1793, 0.3540,
0.2861

■ 14.4313, 0.3278,
0.3107

■ 8.5397, 0.3707,
0.2741

■ 17.0745, 0.3178,
0.3225

■ 7.2017, 0.3899,
0.2631


■ 20.0815, 0.3094,
0.3335


■ 6.1465, 0.4115,
0.2540


■ 23.4655, 0.3025,
0.3438


■ 5.3529, 0.4350,
0.2481


■ 27.2390, 0.2967,
0.3534


 4.7969, 0.4596,
0.2463


 31.4140, 0.2919,
0.3622

 4.4343, 0.4843,
0.2488

 36.0019, 0.2879,
0.3703

 4.2988, 0.4950,
0.2500

 41.0138, 0.2845,
0.3777

 46.4601, 0.2817,
0.3845

Harmonies

Analogous

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



12.1373, 0.3047, 0.2798



12.1373, 0.3398, 0.2985



12.1373, 0.3685, 0.3246

Triad

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



12.1373, 0.3398, 0.2985



12.1373, 0.3508, 0.3903



12.1373, 0.2486, 0.2989

Complementary

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



12.1373, 0.3398, 0.2985



16.5785, 0.2921, 0.3617

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.



12.1373, 0.2595, 0.3297



12.1373, 0.3398, 0.2985



12.1373, 0.3176, 0.3854

Square

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



12.1373, 0.3398, 0.2985



12.1373, 0.3746, 0.3774



12.1373, 0.2843, 0.3624



12.1373, 0.2536, 0.2788

Rectangle

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



12.1373, 0.3398, 0.2985



12.1373, 0.3792, 0.3437



12.1373, 0.2843, 0.3624



12.1373, 0.2505, 0.3083

Sweetspot

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



12.1378, 0.3398, 0.2985



28.8736, 0.3200, 0.3197



11.5060, 0.2933, 0.2638



6.6969, 0.3212, 0.3182



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.



12.1378, 0.3398, 0.2985



19.2361, 0.3479, 0.2912



11.9463, 0.3639, 0.3302



4.0443, 0.3208, 0.3187



4.6865, 0.4959, 0.2505



22.1847, 0.5072, 0.2568

Inverse Universe

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



12.1378, 0.3398, 0.2985



19.2361, 0.3479, 0.2912



16.7903, 0.2766, 0.3278



4.0443, 0.3208, 0.3187



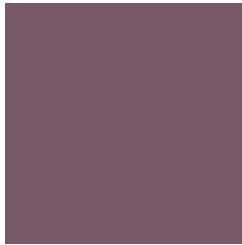
4.6865, 0.4959, 0.2505



22.1847, 0.5072, 0.2568

Previews

White Background



This preview shows how the Yxy color 12.1373, 0.3398, 0.2985 looks on a white background.

Color Contrast Check

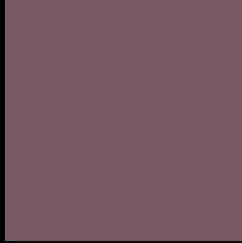
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1373, 0.3398, 0.2985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

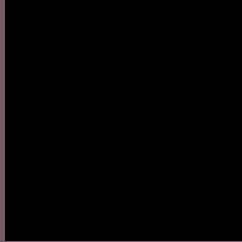
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.1373, 0.3398, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 12.1373, 0.3398, 0.2985.

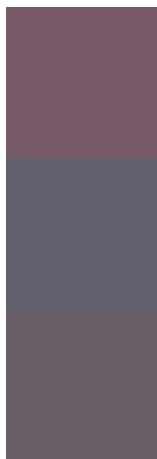


This preview shows how white text looks on a background with the Yxy color 12.1373, 0.3398, 0.2985.

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

12.1373, 0.3398, 0.2985

Protanopia

12.1403, 0.2951, 0.3021

Deuteranopia

12.1669, 0.3166, 0.3115



Tritanopia

12.0973, 0.3490, 0.3146

Trichromacy



Original Color

12.1373, 0.3398, 0.2985

Protanomaly

12.0702, 0.3110, 0.3007

Deuteranomaly

12.1230, 0.3246, 0.3076

Tritanomaly

12.1544, 0.3442, 0.3084

Monochromacy



Original Color

12.1373, 0.3398, 0.2985

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4311, 0.3223, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1373, 0.3398, 0.2985 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, 89, 104)` looks like.

```
.text, #text, p{  
    color:rgb(120, 89, 104)  
}
```

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, 89, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 89, 104) }
```

Border

The CSS property to change the border of an element to Yxy 12.1373, 0.3398, 0.2985 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, 89, 104) }
```

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

```
.border{ border-color:rgb(120, 89, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 89, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 89, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 89, 104);  
box-shadow:4px 4px 4px 4px rgb(120, 89,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1373, 0.3398, 0.2985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 89, 104) }
```

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

```
.background{ background-color: rgb(120, 89,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor