

Converting Colors

$Y_{xy}(17.2701, 0.3373, 0.2770)$

Have a look what the booklet for
Yxy(17.2701, 0.3373, 0.2770)
contains.

Yxy(17.2692, 0.3373, 0.2769)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2692, 0.3373, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	946584
RGB	148, 101, 132
RGB Percent	58%, 40%, 52%
CMY	0.4195, 0.6040, 0.4823
CMYK	0.00, 0.32, 0.11, 0.42
HSL	320°, 19%, 49%
HSV	320°, 32%, 58%
XYZ	21.0361, 17.2692, 24.0609
YIQ	118.5870, 18.0610, 19.6050

Conversions

Conversions Part 2

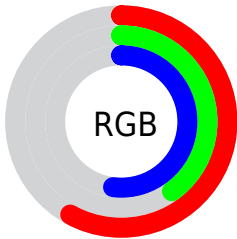
Format	Color
R_{YB}	148, 101, 132
Decimal	9725316
CIE _{Lab}	48.60, 24.01, -9.54
CIE _{LCh}	49, 25.833, 338.328
Yxy	17.2692, 0.3373, 0.2769
Android (android.graphics.Color)	4287915396 (0xFF946584)
YUV	118.5870, 6.6126, 25.7952
Hunter-Lab	41.5562, 17.6348, -5.2393

Details

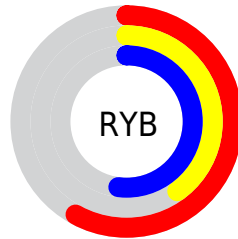
The Yxy color **17.2692, 0.3373, 0.2769** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.2393, 0.2945, 0.3877**, and the grayscale version is **18.2859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9818, 0.3321, 0.2891**, and **5.6575, 0.3452, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **14.5155, 0.3478, 0.2603**, and if you desaturate by 10%, it is **20.5489, 0.3282, 0.2938**.

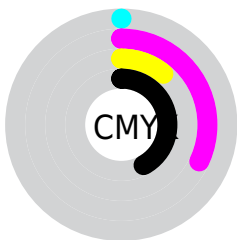
Distribution



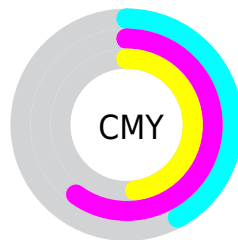
- Red (58%)
- Green (40%)
- Blue (52%)



- Red (58%)
- Yellow (40%)
- Blue (52%)



- Cyan (0%)
- Magenta (32%)
- Yellow (11%)
- Black (42%)





- Cyan (42%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2692, 0.3373, 0.2769 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 17.2692, 0.3373, 0.2769 by changing the saturation by 10% instead.


 17.2692, 0.3373,
0.2769


 17.2692, 0.3373,
0.2769


236.7190, 0.3235,
0.3061


 10.4266, 0.3413,
0.2683


 38.7880, 0.3319,
0.2884


 5.6827, 0.3470,
0.2565


 54.2331, 0.3300,
0.2924

 2.6531, 0.3553,
0.2389

 73.3144, 0.3284,
0.2957

 0.9534, 0.3688,
0.2103

 96.4164, 0.3271,
0.2985

 0.0000, 0.4683,
0.0000

123.9235, 0.3260,
0.3008

 0.0000, 0.0000,
0.0000

156.2200, 0.3251,

0.3028

193.6903, 0.3242,
0.3046

■ 17.2692, 0.3373,
0.2769

■ 17.2692, 0.3373,
0.2769

■ 14.5155, 0.3478,
0.2603

■ 20.5489, 0.3282,
0.2938

■ 12.2575, 0.3596,
0.2448

■ 24.3780, 0.3204,
0.3103

■ 10.4655, 0.3726,
0.2312


■ 28.7815, 0.3138,
0.3263

■ 9.1056, 0.3866,
0.2206


■ 33.7819, 0.3082,
0.3413


■ 8.1392, 0.4012,
0.2141

■ 39.4008, 0.3035,
0.3554


 7.5209, 0.4158,
0.2121

 45.6585, 0.2996,
0.3684

 7.1738, 0.4278,
0.2130

 52.5745, 0.2963,
0.3804

 60.1672, 0.2936,
0.3914

 68.4548, 0.2913,
0.4015

Harmonies

Analogous

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



17.2692, 0.2866, 0.2550



17.2692, 0.3373, 0.2769



17.2692, 0.3842, 0.3106

Triad

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



17.2692, 0.3373, 0.2769



17.2692, 0.3786, 0.4148



17.2692, 0.2237, 0.2952

Complementary

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



17.2692, 0.3373, 0.2769



25.2393, 0.2945, 0.3877

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.



17.2692, 0.2443, 0.3431



17.2692, 0.3373, 0.2769



17.2692, 0.3327, 0.4181

Square

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



17.2692, 0.3373, 0.2769



17.2692, 0.4080, 0.3880



17.2692, 0.2836, 0.3910



17.2692, 0.2246, 0.2624

Rectangle

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



17.2692, 0.3373, 0.2769



17.2692, 0.4050, 0.3367



17.2692, 0.2836, 0.3910



17.2692, 0.2282, 0.3100

Sweetspot

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



17.2700, 0.3373, 0.2769



44.1533, 0.3193, 0.3129



15.2029, 0.2765, 0.2431



9.8651, 0.3202, 0.3108



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



17.2700, 0.3373, 0.2769



26.9737, 0.3445, 0.2653



16.7039, 0.3707, 0.3156



5.8760, 0.3186, 0.3145



6.1302, 0.4270, 0.2126



0.0806, 0.3696, 0.1810

Inverse Universe

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



17.2700, 0.3373, 0.2769



26.9737, 0.3445, 0.2653



25.8540, 0.2748, 0.3431



5.8760, 0.3186, 0.3145



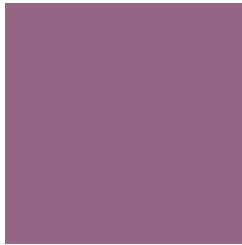
6.1302, 0.4270, 0.2126



0.0806, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 17.2692, 0.3373, 0.2769 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 17.2692, 0.3373, 0.2769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

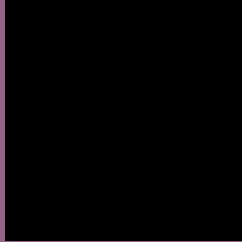
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2692, 0.3373, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 17.2692, 0.3373, 0.2769.



This preview shows how white text looks on a background with the Yxy color 17.2692, 0.3373, 0.2769.

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

17.2692, 0.3373, 0.2769

Protanopia

17.4996, 0.2778, 0.2799

Deuteranopia

17.4150, 0.3015, 0.2970



Tritanopia

17.4064, 0.3601, 0.3152

Trichromacy



Original Color

17.2692, 0.3373, 0.2769

Protanomaly

17.2719, 0.2973, 0.2779

Deuteranomaly

17.3218, 0.3133, 0.2891

Tritanomaly

17.4597, 0.3519, 0.3016

Monochromacy



Original Color

17.2692, 0.3373, 0.2769

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.7894, 0.3216, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2692, 0.3373, 0.2769 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(148, 101, 132)` looks like.

```
.text, #text, p{  
    color:rgb(148, 101, 132)  
}
```

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(148, 101, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 101, 132) }
```

Border

The CSS property to change the border of an element to Yxy 17.2692, 0.3373, 0.2769 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(148, 101, 132) }
```

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

```
.border{ border-color:rgb(148, 101, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 101, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 101, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 101, 132);  
box-shadow:4px 4px 4px 4px rgb(148, 101,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2692, 0.3373, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 101, 132) }
```

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

```
.background{ background-color: rgb(148,  
101, 132) }
```

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