

Converting Colors

$Y_{xy}(17.2248, 0.3239, 0.2914)$

Have a look what the booklet for
Yxy(17.2248, 0.3239, 0.2914)
contains.

Yxy(17.2248, 0.3239, 0.2914)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2248, 0.3239, 0.2914)

Conversions

Conversions Part 1

Format	Color
Hex	876B80
RGB	135, 107, 128
RGB Percent	53%, 42%, 50%
CMY	0.4706, 0.5804, 0.4980
CMYK	0.00, 0.21, 0.05, 0.47
HSL	315°, 12%, 47%
HSV	315°, 21%, 53%
XYZ	19.1459, 17.2248, 22.7398
YIQ	117.7660, 9.9470, 12.4670

Conversions

Conversions Part 2

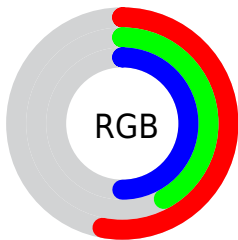
Format	Color
R_{YB}	135, 107, 128
Decimal	8874880
CIE Lab	48.54, 14.90, -7.38
CIE LCh	49, 16.629, 333.650
Yxy	17.2248, 0.3239, 0.2914
Android (android.graphics.Color)	4287064960 (0xFF876B80)
YUV	117.7660, 5.0454, 15.1142
Hunter-Lab	41.5028, 9.7151, -3.4337

Details

The Yxy color **17.2248, 0.3239, 0.2914** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.6688, 0.3032, 0.3698**, and the grayscale version is **18.0219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9513, 0.3217, 0.3003**, and **5.6237, 0.3283, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **14.5395, 0.3306, 0.2727**, and if you desaturate by 10%, it is **20.3541, 0.3181, 0.3099**.

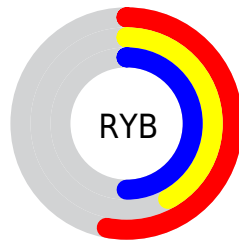
Distribution



Red (53%)

Green (42%)

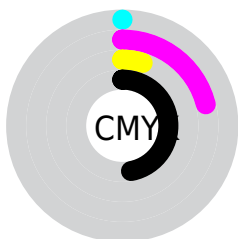
Blue (50%)



Red (53%)

Yellow (42%)

Blue (50%)

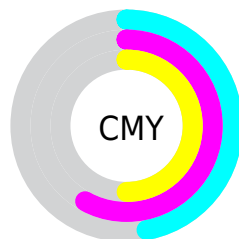


Cyan (0%)

Magenta (21%)

Yellow (5%)

Black (47%)



Cyan (47%)


Magenta (58%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2248, 0.3239, 0.2914 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 17.2248, 0.3239, 0.2914 by changing the saturation by 10% instead.


 17.2248, 0.3239,
0.2914


 17.2248, 0.3239,
0.2914


236.4645, 0.3176,
0.3127


 10.3949, 0.3257,
0.2850


 38.7119, 0.3214,
0.2999


 5.6616, 0.3283,
0.2760


 54.1378, 0.3206,
0.3028

 2.6404, 0.3320,
0.2624

 73.1980, 0.3199,
0.3052

 0.9470, 0.3380,
0.2395

 96.2766, 0.3193,
0.3072

 0.0000, 0.3820,
0.0000

123.7582, 0.3188,
0.3089

 0.0000, 0.0000,
0.0000

156.0271, 0.3183,

0.3104

193.4678, 0.3180,
0.3116

■ 17.2248, 0.3239,
0.2914

■ 17.2248, 0.3239,
0.2914

■ 14.5395, 0.3306,
0.2727

■ 20.3541, 0.3181,
0.3099

■ 12.2756, 0.3381,
0.2542

■ 23.9441, 0.3131,
0.3277

■ 10.4117, 0.3465,
0.2369

■ 28.0136, 0.3088,
0.3446

■ 8.9241, 0.3556,
0.2215

■ 32.5795, 0.3051,
0.3604

■ 7.7861, 0.3653,
0.2089

■ 37.6579, 0.3021,
0.3751

6.9677, 0.3751,
0.2002

43.2642, 0.2995,
0.3887

6.4339, 0.3849,
0.1958

49.4133, 0.2974,
0.4011

6.0960, 0.3940,
0.1944

56.1192, 0.2956,
0.4125

63.3957, 0.2940,
0.4229

Harmonies

Analogous

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



17.2248, 0.2915, 0.2781



17.2248, 0.3239, 0.2914



17.2248, 0.3546, 0.3136

Triad

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



17.2248, 0.3239, 0.2914



17.2248, 0.3600, 0.3831



17.2248, 0.2550, 0.3127

Complementary

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



17.2248, 0.3239, 0.2914



21.6688, 0.3032, 0.3698

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.



17.2248, 0.2715, 0.3436



17.2248, 0.3239, 0.2914



17.2248, 0.3317, 0.3861

Square

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



17.2248, 0.3239, 0.2914



17.2248, 0.3759, 0.3656



17.2248, 0.2993, 0.3715



17.2248, 0.2531, 0.2887

Rectangle

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



17.2248, 0.3239, 0.2914



17.2248, 0.3693, 0.3311



17.2248, 0.2993, 0.3715



17.2248, 0.2590, 0.3226

Sweetspot

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



17.2256, 0.3239, 0.2914



39.3058, 0.3157, 0.3182



15.8116, 0.2875, 0.2753



9.0226, 0.3159, 0.3172



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.



17.2256, 0.3239, 0.2914



28.4319, 0.3270, 0.2824



16.8925, 0.3419, 0.3154



4.7435, 0.3172, 0.3128



5.6234, 0.3937, 0.1942



0.0206, 0.3541, 0.1724

Inverse Universe

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



17.2256, 0.3239, 0.2914



28.4319, 0.3270, 0.2824



22.0002, 0.2900, 0.3431



4.7435, 0.3172, 0.3128



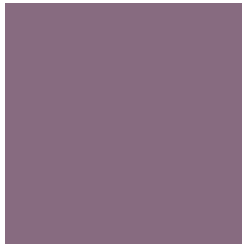
5.6234, 0.3937, 0.1942



0.0206, 0.3541, 0.1724

Previews

White Background



This preview shows how the Yxy color 17.2248, 0.3239, 0.2914 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 17.2248, 0.3239, 0.2914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

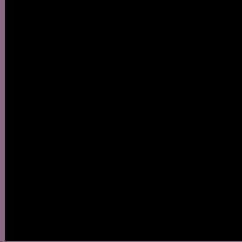
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2248, 0.3239, 0.2914

Background



This preview shows how black text looks on a background with the Yxy color 17.2248, 0.3239, 0.2914.



This preview shows how white text looks on a background with the Yxy color 17.2248, 0.3239, 0.2914.

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

17.2248, 0.3239, 0.2914

Protanopia

17.3997, 0.2885, 0.2944

Deuteranopia

17.1856, 0.3063, 0.3006



Tritanopia

17.2900, 0.3366, 0.3144

Trichromacy



Original Color

17.2248, 0.3239, 0.2914

Protanomaly

17.2201, 0.3003, 0.2932

Deuteranomaly

17.1198, 0.3129, 0.2974

Tritanomaly

17.1739, 0.3315, 0.3054

Monochromacy



Original Color

17.2248, 0.3239, 0.2914

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.7249, 0.3160, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2248, 0.3239, 0.2914 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, 107, 128)` looks like.

```
.text, #text, p{  
    color:rgb(135, 107, 128)  
}
```

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, 107, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 107, 128) }
```

Border

The CSS property to change the border of an element to Yxy 17.2248, 0.3239, 0.2914 is called "border". The border property can be set on classes, ids or directly on the HTML element.

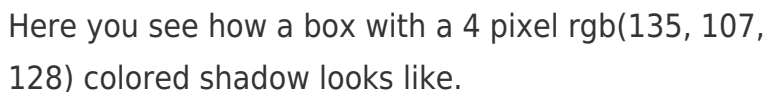
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 107, 128) }
```

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

```
.border{ border-color:rgb(135, 107, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 107, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 107, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 107, 128); box-shadow:4px 4px 4px 4px rgb(135, 107, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2248, 0.3239, 0.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 107, 128) }
```

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

```
.background{ background-color: rgb(135,  
107, 128) }
```

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