

Converting Colors

$Y_{xy}(26.8749, 0.2848, 0.2925)$

Have a look what the booklet for
Yxy(26.8749, 0.2848, 0.2925)
contains.

Yxy(26.8810, 0.2849, 0.2921)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.8810, 0.2849, 0.2921)

Conversions

Conversions Part 1

Format	Color
Hex	878DA4
RGB	135, 141, 164
RGB Percent	53%, 55%, 64%
CMY	0.4705, 0.4471, 0.3569
CMYK	0.18, 0.14, 0.00, 0.36
HSL	228°, 14%, 59%
HSV	228°, 18%, 64%
XYZ	26.2184, 26.8810, 38.9273
YIQ	141.8280, -10.9590, 5.8810

Conversions

Conversions Part 2

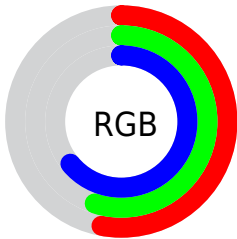
Format	Color
R_{YB}	135, 140, 164
Decimal	8883620
CIE _{Lab}	58.86, 2.79, -12.87
CIE _{LCh}	59, 13.171, 282.236
Yxy	26.8810, 0.2849, 0.2921
Android (android.graphics.Color)	4287073700 (0xFF878DA4)
YUV	141.8280, 10.9308, -5.9882
Hunter-Lab	51.8469, -0.4666, -8.2229

Details

The Yxy color **26.8810, 0.2849, 0.2921** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **34.0988, 0.3401, 0.3634**, and the grayscale version is **26.9391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8361, 0.2903, 0.3002**, and **10.5833, 0.2753, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **22.0103, 0.2673, 0.2678**, and if you desaturate by 10%, it is **32.4142, 0.3012, 0.3139**.

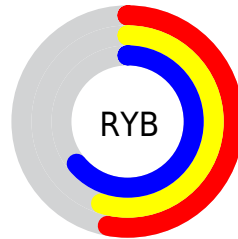
Distribution



Red (53%)

Green (55%)

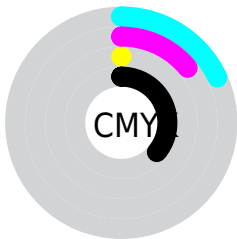
Blue (64%)



Red (53%)

Yellow (55%)

Blue (64%)

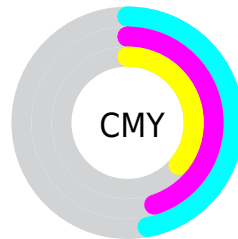


Cyan (18%)

Magenta (14%)

Yellow (0%)

Black (36%)



Cyan (47%)

Magenta (45%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8810, 0.2849, 0.2921 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 26.8810, 0.2849, 0.2921 by changing the saturation by 10% instead.

■ 26.8810, 0.2849,
0.2921

■ 26.8810, 0.2849,
0.2921

287.0805, 0.3000,
0.3120

■ 17.4839, 0.2807,
0.2866

■ 54.6929, 0.2907,
0.2997

■ 10.5801, 0.2749,
0.2792

■ 73.8764, 0.2928,
0.3024

■ 5.7852, 0.2667,
0.2688

■ 97.0908, 0.2945,
0.3047

■ 2.7149, 0.2541,
0.2530

124.7205, 0.2960,
0.3066

■ 0.9848, 0.2323,
0.2262

157.1500, 0.2972,
0.3083

■ 0.0000, 0.0000,
0.0000

194.7635, 0.2983,

0.3097

237.9456, 0.2992,
0.3109

■ 26.8810, 0.2849,
0.2921

■ 26.8810, 0.2849,
0.2921

■ 22.0103, 0.2673,
0.2678

■ 32.4142, 0.3012,
0.3139

■ 17.7739, 0.2488,
0.2412

■ 38.6305, 0.3160,
0.3333

■ 14.1459, 0.2297,
0.2128

■ 45.5534, 0.3294,
0.3503

■ 11.0979, 0.2110,
0.1836

■ 53.2044, 0.3415,
0.3651

■ 8.5986, 0.1935,
0.1548

■ 61.6042, 0.3522,
0.3780

■ 6.6139, 0.1782,
0.1278

■ 70.7724, 0.3617,
0.3891

■ 5.1056, 0.1662,
0.1044

■ 80.7280, 0.3702,
0.3988

■ 4.0224, 0.1578,
0.0857

■ 89.3010, 0.3698,
0.4096

■ 3.8177, 0.1561,
0.0820

■ 95.4603, 0.3666,
0.4181

Harmonies

Analogous

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



26.8810, 0.2730, 0.2982



26.8810, 0.2849, 0.2921



26.8810, 0.3045, 0.2954

Triad

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



26.8810, 0.2849, 0.2921



26.8810, 0.3560, 0.3426



26.8810, 0.2978, 0.3528

Complementary

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



26.8810, 0.2849, 0.2921



34.0988, 0.3401, 0.3634

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.



26.8810, 0.3197, 0.3657



26.8810, 0.2849, 0.2921



26.8810, 0.3539, 0.3587

Square

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



26.8810, 0.2849, 0.2921



26.8810, 0.3461, 0.3238



26.8810, 0.3404, 0.3676



26.8810, 0.2802, 0.3331

Rectangle

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



26.8810, 0.2849, 0.2921



26.8810, 0.3195, 0.3022



26.8810, 0.3404, 0.3676



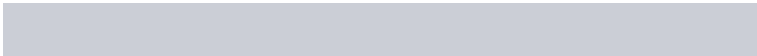
26.8810, 0.3049, 0.3582

Sweetspot

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



26.8821, 0.2849, 0.2921



61.6303, 0.3052, 0.3192



34.1610, 0.2917, 0.3388



13.3146, 0.3041, 0.3178



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



26.8821, 0.2849, 0.2921



45.3692, 0.2785, 0.2833



25.8712, 0.2928, 0.2833



7.0861, 0.2987, 0.3106



2.9852, 0.1565, 0.0834



0.1232, 0.1735, 0.1445

Inverse Universe

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



27.1467, 0.3392, 0.3199



46.0183, 0.3461, 0.3179



35.3463, 0.3305, 0.3730



7.1088, 0.3254, 0.3244



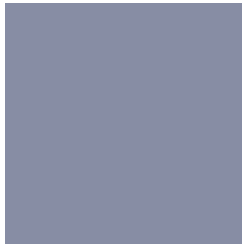
6.1455, 0.6016, 0.3087



0.1352, 0.5132, 0.2601

Previews

White Background



This preview shows how the Yxy color 26.8810, 0.2849, 0.2921 looks on a white background.

Color Contrast Check

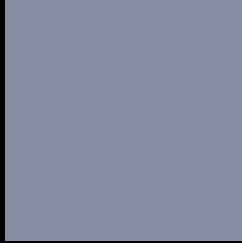
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 26.8810, 0.2849, 0.2921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

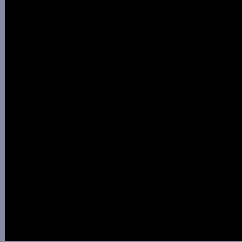
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

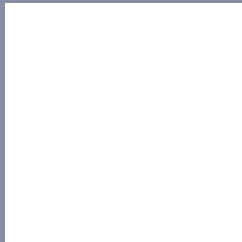
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.8810, 0.2849, 0.2921

Background



This preview shows how black text looks on a background with the Yxy color 26.8810, 0.2849, 0.2921.



This preview shows how white text looks on a background with the Yxy color 26.8810, 0.2849, 0.2921.

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

26.8810, 0.2849, 0.2921

Protanopia

26.7549, 0.2868, 0.2907

Deuteranopia

26.8229, 0.2927, 0.2868



Tritanopia

26.9646, 0.2920, 0.3109

Trichromacy



Original Color

26.8810, 0.2849, 0.2921

Protanomaly

26.6707, 0.2858, 0.2906

Deuteranomaly

26.8446, 0.2898, 0.2880

Tritanomaly

26.8830, 0.2893, 0.3029

Monochromacy



Original Color

26.8810, 0.2849, 0.2921

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.0370, 0.3018, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8810, 0.2849, 0.2921 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, 141, 164)` looks like.

```
.text, #text, p{  
    color:rgb(135, 141, 164)  
}
```

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, 141, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 141, 164) }
```

Border

The CSS property to change the border of an element to Yxy 26.8810, 0.2849, 0.2921 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, 141, 164) }
```

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

```
.border{ border-color:rgb(135, 141, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 141, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 141, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 141, 164);  
box-shadow:4px 4px 4px 4px rgb(135, 141,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8810, 0.2849, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 141, 164) }
```

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

```
.background{ background-color: rgb(135,  
141, 164) }
```

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