

Converting Colors

$Y_{xy}(27.7530, 0.3062, 0.3436)$

Have a look what the booklet for
Yxy(27.7530, 0.3062, 0.3436)
contains.

Yxy(27.6890, 0.3069, 0.3441)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6890, 0.3069, 0.3441)

Conversions

Conversions Part 1

Format	Color
Hex	85938A
RGB	133, 147, 138
RGB Percent	52%, 58%, 54%
CMY	0.4784, 0.4235, 0.4589
CMYK	0.10, 0.00, 0.06, 0.42
HSL	141°, 6%, 55%
HSV	141°, 10%, 58%
XYZ	24.6956, 27.6890, 28.0833
YIQ	141.7880, -5.4550, -5.7670

Conversions

Conversions Part 2

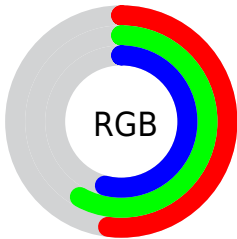
Format	Color
R_{YB}	133, 143, 147
Decimal	8754058
CIE _{Lab}	59.61, -6.84, 3.05
CIE _{LCh}	60, 7.486, 155.978
Yxy	27.6890, 0.3069, 0.3441
Android (android.graphics.Color)	4286944138 (0xFF85938A)
YUV	141.7880, -1.8675, -7.7071
Hunter-Lab	52.6203, -8.3126, 5.1914

Details

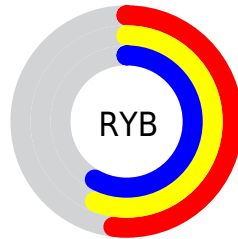
The Yxy color **27.6890, 0.3069, 0.3441** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9374, 0.3190, 0.3144**, and the grayscale version is **26.9727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9740, 0.3083, 0.3414**, and **10.9093, 0.3043, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **26.3134, 0.3009, 0.3619**, and if you desaturate by 10%, it is **29.2583, 0.3130, 0.3283**.

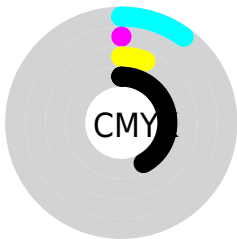
Distribution



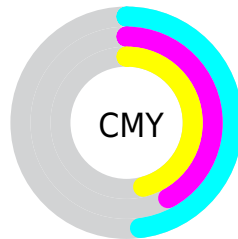
- Red (52%)
- Green (58%)
- Blue (54%)



- Red (52%)
- Yellow (56%)
- Blue (58%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (42%)





- Cyan (48%)
- Magenta (42%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6890, 0.3069, 0.3441 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 27.6890, 0.3069, 0.3441 by changing the saturation by 10% instead.


 27.6890, 0.3069,
0.3441


 27.6890, 0.3069,
0.3441


290.9778, 0.3101,
0.3358

 18.0914, 0.3060,
0.3465


 55.9875, 0.3081,
0.3409

 11.0156, 0.3047,
0.3497


 75.4572, 0.3086,
0.3397

 6.0773, 0.3029,
0.3544

 98.9863, 0.3090,
0.3388

 2.8922, 0.3000,
0.3618

126.9593, 0.3093,
0.3380

 1.0757, 0.2946,
0.3755

159.7606, 0.3095,
0.3373

 0.0000, 0.0000,
0.0000

197.7745, 0.3097,

0.3368

241.3855, 0.3099,
0.3363

■ 27.6890, 0.3069,
0.3441

■ 27.6890, 0.3069,
0.3441

■ 26.3134, 0.3009,
0.3619

■ 29.2583, 0.3130,
0.3283

■ 25.1206, 0.2951,
0.3815

■ 31.0250, 0.3191,
0.3143

■ 24.1036, 0.2899,
0.4030

■ 32.9969, 0.3250,
0.3019

■ 23.2538, 0.2854,
0.4260

■ 35.1804, 0.3306,
0.2912

■ 22.5619, 0.2821,
0.4501

■ 37.5817, 0.3360,
0.2817

■ 22.0174, 0.2802,
0.4746

■ 40.2067, 0.3411,
0.2735

■ 21.6087, 0.2799,
0.4985

■ 43.0610, 0.3460,
0.2663

■ 21.3224, 0.2813,
0.5210

■ 46.1500, 0.3505,
0.2601

■ 21.1265, 0.2838,
0.5412

■ 47.4690, 0.3455,
0.2522

Harmonies

Analogous

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



27.6890, 0.3195, 0.3501



27.6890, 0.3069, 0.3441



27.6890, 0.2961, 0.3339

Triad

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



27.6890, 0.3069, 0.3441



27.6890, 0.2951, 0.3083



27.6890, 0.3363, 0.3348

Complementary

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



27.6890, 0.3069, 0.3441



24.9374, 0.3190, 0.3144

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.



27.6890, 0.3295, 0.3240



27.6890, 0.3069, 0.3441



27.6890, 0.3057, 0.3089

Square

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



27.6890, 0.3069, 0.3441



27.6890, 0.2894, 0.3131



27.6890, 0.3182, 0.3146



27.6890, 0.3366, 0.3444

Rectangle

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



27.6890, 0.3069, 0.3441



27.6890, 0.2912, 0.3262



27.6890, 0.3182, 0.3146



27.6890, 0.3347, 0.3312

Sweetspot

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



27.6902, 0.3069, 0.3441



51.3604, 0.3108, 0.3337



28.3216, 0.3212, 0.3520



11.6747, 0.3104, 0.3349



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.



27.6902, 0.3069, 0.3441



49.1425, 0.3059, 0.3470



27.8968, 0.3005, 0.3324



6.5005, 0.3071, 0.3436



18.3123, 0.2837, 0.5411



0.2294, 0.2604, 0.4574

Inverse Universe

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



24.9374, 0.3190, 0.3144



43.3891, 0.3203, 0.3116



24.7361, 0.3265, 0.3256



5.8745, 0.3188, 0.3148



6.0948, 0.4328, 0.2158



0.0802, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 27.6890, 0.3069, 0.3441 looks on a white background.

Color Contrast Check

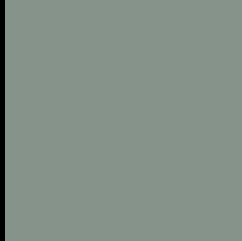
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6890, 0.3069, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

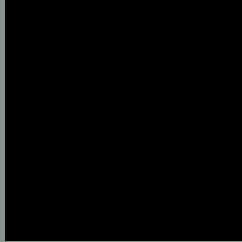
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

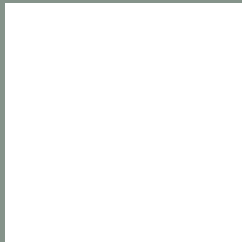
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6890, 0.3069, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 27.6890, 0.3069, 0.3441.



This preview shows how white text looks on a background with the Yxy color 27.6890, 0.3069, 0.3441.

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

27.6890, 0.3069, 0.3441

Protanopia

27.7184, 0.3251, 0.3403

Deuteranopia

27.7296, 0.3338, 0.3275



Tritanopia

27.5811, 0.2932, 0.3095

Trichromacy



Original Color

27.6890, 0.3069, 0.3441

Protanomaly

27.5923, 0.3186, 0.3405

Deuteranomaly

27.6941, 0.3244, 0.3338

Tritanomaly

27.5716, 0.2987, 0.3224

Monochromacy



Original Color

27.6890, 0.3069, 0.3441

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.3586, 0.3104, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6890, 0.3069, 0.3441 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(133, 147, 138)` looks like.

```
.text, #text, p{  
    color:rgb(133, 147, 138)  
}
```

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(133, 147, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 147, 138) }
```

Border

The CSS property to change the border of an element to Yxy 27.6890, 0.3069, 0.3441 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(133, 147, 138) }
```

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

```
.border{ border-color:rgb(133, 147, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 147, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 147, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 147, 138);  
box-shadow:4px 4px 4px 4px rgb(133, 147,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6890, 0.3069, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 147, 138) }
```

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

```
.background{ background-color: rgb(133,  
147, 138) }
```

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