

Converting Colors

$Y_{xy}(27.1332, 0.2805, 0.3404)$

Have a look what the booklet for
Yxy(27.1332, 0.2805, 0.3404)
contains.

Yxy(27.1109, 0.2806, 0.3412)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.1109, 0.2806, 0.3412)

Conversions

Conversions Part 1

Format	Color
Hex	6E968F
RGB	110, 150, 143
RGB Percent	43%, 59%, 56%
CMY	0.5686, 0.4118, 0.4391
CMYK	0.27, 0.00, 0.05, 0.41
HSL	170°, 16%, 51%
HSV	170°, 27%, 59%
XYZ	22.2958, 27.1109, 30.0508
YIQ	137.2420, -21.5930, -10.6570

Conversions

Conversions Part 2

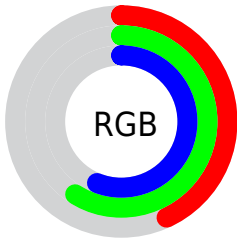
Format	Color
RYB	110, 132, 150
Decimal	7247503
CIELab	59.08, -15.24, -0.77
CIELCh	59, 15.262, 182.901
Yxy	27.1109, 0.2806, 0.3412
Android (android.graphics.Color)	4285437583 (0xFF6E968F)
YUV	137.2420, 2.8387, -23.8912
Hunter-Lab	52.0681, -14.6848, 2.2288

Details

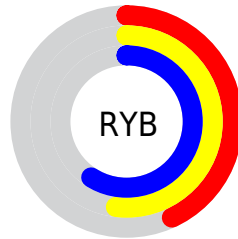
The Yxy color **27.1109, 0.2806, 0.3412** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.9207, 0.3582, 0.3173**, and the grayscale version is **25.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0035, 0.2874, 0.3380**, and **10.7061, 0.2693, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **26.1514, 0.2701, 0.3465**, and if you desaturate by 10%, it is **28.2374, 0.2921, 0.3363**.

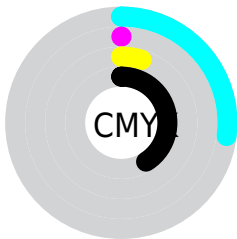
Distribution



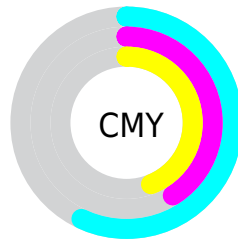
- Red (43%)
- Green (59%)
- Blue (56%)



- Red (43%)
- Yellow (52%)
- Blue (59%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (41%)





- Cyan (57%)
- Magenta (41%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1109, 0.2806, 0.3412 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 27.1109, 0.2806, 0.3412 by changing the saturation by 10% instead.


 27.1109, 0.2806,
0.3412


 27.1109, 0.2806,
0.3412


288.1937, 0.2980,
0.3346


 17.6565, 0.2757,
0.3430


 55.0618, 0.2873,
0.3387

 10.7037, 0.2691,
0.3455


 74.3271, 0.2897,
0.3378

 5.8679, 0.2596,
0.3490

 97.6315, 0.2917,
0.3370

 2.7650, 0.2449,
0.3543

 125.3593, 0.2934,
0.3364

 1.0103, 0.2117,
0.3669

157.8951, 0.2948,
0.3359

 0.0000, 0.0000,
0.0000

195.6232, 0.2960,

0.3354

238.9279, 0.2971,
0.3350

■ 27.1109, 0.2806,
0.3412

■ 27.1109, 0.2806,
0.3412

■ 26.1514, 0.2701,
0.3465

■ 28.2374, 0.2921,
0.3363

■ 25.3473, 0.2609,
0.3521

■ 29.5351, 0.3043,
0.3318

■ 24.6908, 0.2533,
0.3579

■ 31.0123, 0.3170,
0.3277

■ 24.1721, 0.2473,
0.3639

■ 32.6758, 0.3299,
0.3240

■ 23.7801, 0.2431,
0.3700

■ 34.5320, 0.3429,
0.3207

■ 23.5021, 0.2408,
0.3762

■ 36.5869, 0.3558,
0.3178

■ 23.3180, 0.2402,
0.3823

■ 38.8464, 0.3684,
0.3152

■ 23.2636, 0.2401,
0.3844

■ 41.3160, 0.3806,
0.3130

■ 44.0012, 0.3924,
0.3111

Harmonies

Analogous

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



27.1109, 0.3030, 0.3625



27.1109, 0.2806, 0.3412



27.1109, 0.2670, 0.3171

Triad

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



27.1109, 0.2806, 0.3412



27.1109, 0.2954, 0.2881



27.1109, 0.3626, 0.3579

Complementary

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



27.1109, 0.2806, 0.3412



18.9207, 0.3582, 0.3173

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.



27.1109, 0.3607, 0.3378



27.1109, 0.2806, 0.3412



27.1109, 0.3211, 0.2986

Square

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



27.1109, 0.2806, 0.3412



27.1109, 0.2753, 0.2875



27.1109, 0.3452, 0.3164



27.1109, 0.3506, 0.3716

Rectangle

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



27.1109, 0.2806, 0.3412



27.1109, 0.2643, 0.3033



27.1109, 0.3452, 0.3164



27.1109, 0.3636, 0.3517

Sweetspot

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



27.1120, 0.2806, 0.3412



51.7603, 0.3024, 0.3324



26.7442, 0.3166, 0.4013



11.3973, 0.3007, 0.3330



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.



27.1120, 0.2806, 0.3412



46.8004, 0.2742, 0.3443



23.5040, 0.2728, 0.3064



6.5450, 0.3012, 0.3329



19.2981, 0.2400, 0.3839



0.2399, 0.2318, 0.3546

Inverse Universe

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



18.9207, 0.3582, 0.3173



29.8583, 0.3723, 0.3145



21.6939, 0.3625, 0.3505



5.8309, 0.3256, 0.3252



5.4438, 0.6090, 0.3129



0.0697, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 27.1109, 0.2806, 0.3412 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 27.1109, 0.2806, 0.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

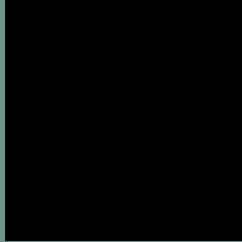
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

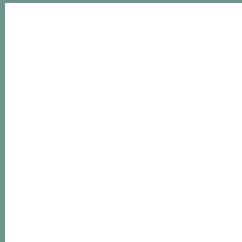
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.1109, 0.2806, 0.3412

Background



This preview shows how black text looks on a background with the Yxy color 27.1109, 0.2806, 0.3412.



This preview shows how white text looks on a background with the Yxy color 27.1109, 0.2806, 0.3412.

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

27.1109, 0.2806, 0.3412

Protanopia

26.9045, 0.3201, 0.3339

Deuteranopia

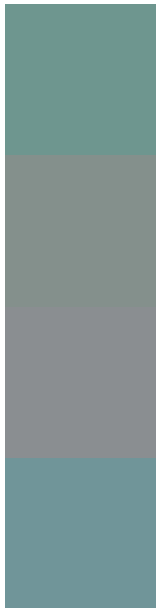
26.8367, 0.3222, 0.3149



Tritanopia

27.1937, 0.2699, 0.3102

Trichromacy



Original Color

27.1109, 0.2806, 0.3412

Protanomaly

26.7455, 0.3041, 0.3357

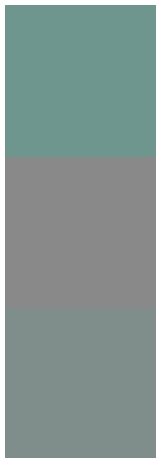
Deuteranomaly

26.7936, 0.3056, 0.3240

Tritanomaly

27.2395, 0.2740, 0.3220

Monochromacy



Original Color

27.1109, 0.2806, 0.3412

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.7221, 0.2999, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1109, 0.2806, 0.3412 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(110, 150, 143)` looks like.

```
.text, #text, p{  
    color:rgb(110, 150, 143)  
}
```

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(110, 150, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 150, 143) }
```

Border

The CSS property to change the border of an element to Yxy 27.1109, 0.2806, 0.3412 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(110, 150, 143) }
```

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

```
.border{ border-color:rgb(110, 150, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 150, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 150, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 150, 143);  
box-shadow:4px 4px 4px 4px rgb(110, 150,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1109, 0.2806, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 150, 143) }
```

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

```
.background{ background-color: rgb(110,  
150, 143) }
```

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