

Converting Colors

Yxy(51.1660, 0.2949, 0.3221)

Have a look what the booklet for
Yxy(51.1660, 0.2949, 0.3221)
contains.

Yxy(51.3311, 0.2950, 0.3226)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.3311, 0.2950, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	AFC1C6
RGB	175, 193, 198
RGB Percent	69%, 76%, 78%
CMY	0.3137, 0.2431, 0.2236
CMYK	0.12, 0.03, 0.00, 0.22
HSL	193°, 17%, 73%
HSV	193°, 12%, 78%
XYZ	46.9395, 51.3311, 60.8463
YIQ	188.1880, -12.3330, -2.2610

Conversions

Conversions Part 2

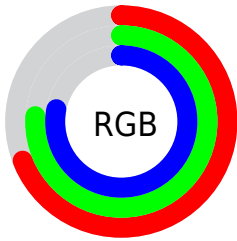
Format	Color
RYB	175, 185, 198
Decimal	11518406
CIELab	76.88, -5.12, -4.60
CIElCh	77, 6.885, 221.916
Yxy	51.3311, 0.2950, 0.3226
Android (android.graphics.Color)	4289708486 (0xFFAFC1C6)
YUV	188.1880, 4.8373, -11.5659
Hunter-Lab	71.6457, -8.4338, -0.2010

Details

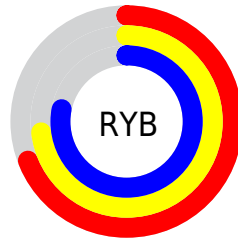
The Yxy color **51.3311, 0.2950, 0.3226** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.7279, 0.3326, 0.3353**, and the grayscale version is **50.3792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9603, 0.2981, 0.3230**, and **24.9074, 0.2901, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **47.3416, 0.2800, 0.3165**, and if you desaturate by 10%, it is **55.7156, 0.3103, 0.3282**.

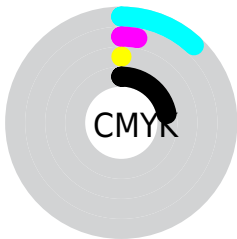
Distribution



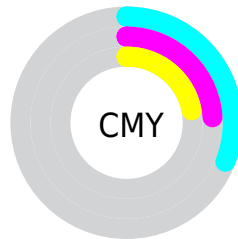
- Red (69%)
- Green (76%)
- Blue (78%)



- Red (69%)
- Yellow (73%)
- Blue (78%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3311, 0.2950, 0.3226 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 51.3311, 0.2950, 0.3226 by changing the saturation by 10% instead.


 51.3311, 0.2950,
0.3226

 51.3311, 0.2950,
0.3226

391.8488, 0.3037,
0.3258

 36.4722, 0.2929,
0.3218


 92.1440, 0.2981,
0.3238

 24.7991, 0.2902,
0.3208


118.8668, 0.2993,
0.3242

 15.9274, 0.2867,
0.3194


150.3130, 0.3003,
0.3246

 9.4728, 0.2819,
0.3175

186.8670, 0.3012,
0.3249

 5.0508, 0.2748,
0.3146

228.9131, 0.3019,
0.3252

 2.2771, 0.2637,
0.3099

276.8359, 0.3026,

 0.7616, 0.2373,

0.3254

0.3018

331.0197, 0.3032,
0.3256

0.0000, 0.0000,
0.0000

51.3311, 0.2950,
0.3226

51.3311, 0.2950,
0.3226

47.3416, 0.2800,
0.3165

55.7156, 0.3103,
0.3282

43.7257, 0.2657,
0.3099

60.5027, 0.3255,
0.3332

40.4693, 0.2522,
0.3029

65.7080, 0.3406,
0.3377

37.5551, 0.2399,
0.2955

71.3441, 0.3554,
0.3416

34.9641, 0.2292,
0.2878

73.6425, 0.3551,
0.3460

■ 32.6750, 0.2202,
0.2799

■ 75.8444, 0.3541,
0.3503

■ 30.6637, 0.2131,
0.2719

■ 78.1039, 0.3532,
0.3545

■ 28.9013, 0.2080,
0.2640

■ 80.4212, 0.3523,
0.3588

■ 27.5699, 0.2049,
0.2575

■ 82.7968, 0.3514,
0.3629

Harmonies

Analogous

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



51.3311, 0.2990, 0.3310



51.3311, 0.2950, 0.3226



51.3311, 0.2957, 0.3161

Triad

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



51.3311, 0.2950, 0.3226



51.3311, 0.3187, 0.3194



51.3311, 0.3245, 0.3451

Complementary

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



51.3311, 0.2950, 0.3226



47.7279, 0.3326, 0.3353

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.



51.3311, 0.3300, 0.3417



51.3311, 0.2950, 0.3226



51.3311, 0.3266, 0.3269

Square

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



51.3311, 0.2950, 0.3226



51.3311, 0.3093, 0.3144



51.3311, 0.3308, 0.3350



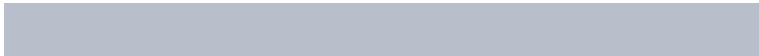
51.3311, 0.3160, 0.3441

Rectangle

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



51.3311, 0.2950, 0.3226



51.3311, 0.2987, 0.3137



51.3311, 0.3308, 0.3350



51.3311, 0.3268, 0.3444

Sweetspot

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



51.3332, 0.2950, 0.3226



97.5266, 0.3081, 0.3274



52.7709, 0.3080, 0.3528



20.7356, 0.3068, 0.3270



0.0000, 0.0000, 0.0000



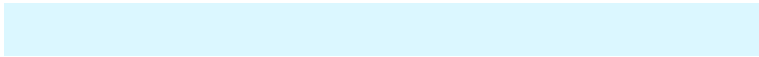
21.4041, 0.3127, 0.3290

Same Dimension

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



51.3332, 0.2950, 0.3226



89.0181, 0.2911, 0.3211



46.6017, 0.2947, 0.3081



11.6631, 0.2984, 0.3239



18.0631, 0.2052, 0.2585



0.9550, 0.2097, 0.2748

Inverse Universe

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



46.5126, 0.3181, 0.3067



78.8123, 0.3195, 0.3016



52.3964, 0.3309, 0.3490



10.7758, 0.3170, 0.3111



9.3635, 0.3839, 0.1888



0.4534, 0.3683, 0.1802

Previews

White Background



This preview shows how the Yxy color 51.3311, 0.2950, 0.3226 looks on a white background.

Color Contrast Check

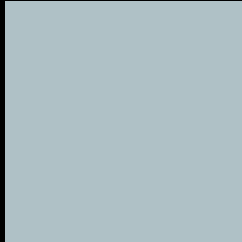
Large Text (above 18pt) WCAG AA × Fail

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 51.3311, 0.2950, 0.3226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

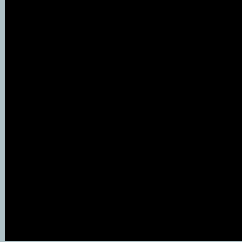
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

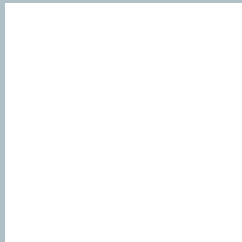
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.3311, 0.2950, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 51.3311, 0.2950, 0.3226.



This preview shows how white text looks on a background with the Yxy color 51.3311, 0.2950, 0.3226.

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

51.3311, 0.2950, 0.3226

Protanopia

50.9829, 0.3098, 0.3203

Deuteranopia

51.1476, 0.3161, 0.3098



Tritanopia

51.5514, 0.2902, 0.3101

Trichromacy



Original Color

51.3311, 0.2950, 0.3226

Protanomaly

51.1267, 0.3042, 0.3214

Deuteranomaly

51.0016, 0.3085, 0.3142

Tritanomaly

51.2890, 0.2915, 0.3138

Monochromacy



Original Color

51.3311, 0.2950, 0.3226

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.7000, 0.3056, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3311, 0.2950, 0.3226 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(175, 193, 198)` looks like.

```
.text, #text, p{  
    color:rgb(175, 193, 198)  
}
```

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(175, 193, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 193, 198) }
```

Border

The CSS property to change the border of an element to Yxy 51.3311, 0.2950, 0.3226 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(175, 193, 198) }
```

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

```
.border{ border-color:rgb(175, 193, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 193, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 193, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 193, 198);  
box-shadow:4px 4px 4px 4px rgb(175, 193,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3311, 0.2950, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 193, 198) }
```

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

```
.background{ background-color: rgb(175,  
193, 198) }
```

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