

Converting Colors

$Y_{xy}(42.7311, 0.2901, 0.3331)$

Have a look what the booklet for
Yxy(42.7311, 0.2901, 0.3331)
contains.

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Color

Yxy(42.8414, 0.2903, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	97B5B2
RGB	151, 181, 178
RGB Percent	59%, 71%, 70%
CMY	0.4077, 0.2902, 0.3021
CMYK	0.17, 0.00, 0.02, 0.29
HSL	174°, 17%, 65%
HSV	174°, 17%, 71%
XYZ	37.3255, 42.8414, 48.4087
YIQ	171.6880, -16.9170, -7.2930

Conversions

Conversions Part 2

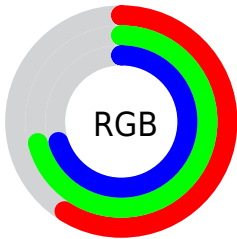
Format	Color
RYB	151, 167, 181
Decimal	9942450
CIELab	71.45, -10.78, -1.87
CIElCh	71, 10.939, 189.867
Yxy	42.8414, 0.2903, 0.3332
Android (android.graphics.Color)	4288132530 (0xFF97B5B2)
YUV	171.6880, 3.1118, -18.1434
Hunter-Lab	65.4533, -12.7517, 1.9670

Details

The Yxy color **42.8414, 0.2903, 0.3332** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.3044, 0.3406, 0.3249**, and the grayscale version is **41.0829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6307, 0.2945, 0.3322**, and **19.6283, 0.2845, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **41.1689, 0.2778, 0.3360**, and if you desaturate by 10%, it is **44.7843, 0.3036, 0.3306**.

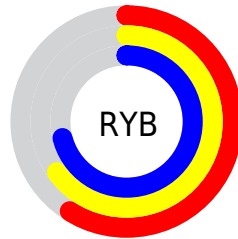
Distribution



Red (59%)

Green (71%)

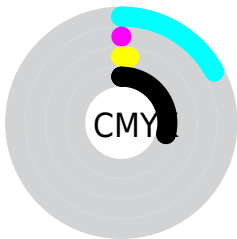
Blue (70%)



Red (59%)

Yellow (65%)

Blue (71%)

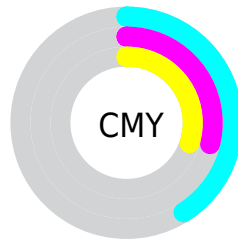


Cyan (17%)

Magenta (0%)

Yellow (2%)

Black (29%)



Cyan (41%)


Magenta (29%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8414, 0.2903, 0.3332 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 42.8414, 0.2903, 0.3332 by changing the saturation by 10% instead.

 42.8414, 0.2903,
0.3332


 42.8414, 0.2903,
0.3332


357.9591, 0.3016,
0.3311

 29.7607, 0.2874,
0.3337


 79.4715, 0.2944,
0.3325

 19.6570, 0.2837,
0.3343


 103.7896, 0.2960,
0.3322

 12.1460, 0.2788,
0.3352


132.6224, 0.2973,
0.3319

 6.8432, 0.2717,
0.3363

166.3542, 0.2984,
0.3317

 3.3642, 0.2611,
0.3380

205.3693, 0.2994,
0.3316

 1.3247, 0.2430,
0.3405

250.0523, 0.3002,

 0.1602, 0.0000,

0.3314

0.3440

300.7874, 0.3010,
0.3313

0.0000, 0.0000,
0.0000

42.8414, 0.2903,
0.3332

42.8414, 0.2903,
0.3332

41.1689, 0.2778,
0.3360

44.7843, 0.3036,
0.3306

39.7494, 0.2665,
0.3391

47.0036, 0.3176,
0.3282

38.5717, 0.2566,
0.3423

49.5117, 0.3318,
0.3261

37.6216, 0.2484,
0.3456

52.3188, 0.3462,
0.3242

36.8833, 0.2419,
0.3490

55.4344, 0.3605,
0.3225

■ 36.3393, 0.2374,
0.3524

■ 57.9775, 0.3705,
0.3209

■ 35.9691, 0.2347,
0.3559

■ 58.0573, 0.3689,
0.3190

■ 35.7449, 0.2336,
0.3593

■ 58.1380, 0.3673,
0.3171

■ 35.6821, 0.2335,
0.3604

■ 58.2197, 0.3657,
0.3152

Harmonies

Analogous

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



42.8414, 0.3033, 0.3467



42.8414, 0.2903, 0.3332



42.8414, 0.2833, 0.3188

Triad

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



42.8414, 0.2903, 0.3332



42.8414, 0.3057, 0.3044



42.8414, 0.3423, 0.3496

Complementary

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



42.8414, 0.2903, 0.3332



34.3044, 0.3406, 0.3249

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.



42.8414, 0.3431, 0.3379



42.8414, 0.2903, 0.3332



42.8414, 0.3217, 0.3122

Square

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



42.8414, 0.2903, 0.3332



42.8414, 0.2920, 0.3027



42.8414, 0.3355, 0.3244



42.8414, 0.3335, 0.3561

Rectangle

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



42.8414, 0.2903, 0.3332



42.8414, 0.2828, 0.3109



42.8414, 0.3355, 0.3244



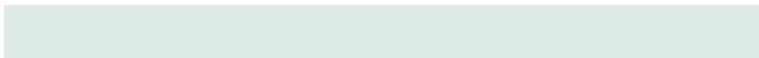
42.8414, 0.3436, 0.3461

Sweetspot

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



42.8432, 0.2903, 0.3332



80.7623, 0.3057, 0.3302



42.2049, 0.3136, 0.3725



17.3992, 0.3047, 0.3304



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.8432, 0.2903, 0.3332



75.5445, 0.2855, 0.3343



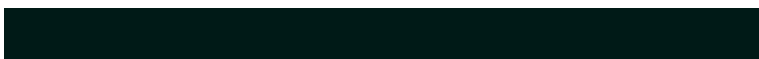
38.4865, 0.2874, 0.3125



9.6165, 0.2999, 0.3313



24.6052, 0.2333, 0.3600



0.7784, 0.2307, 0.3505

Inverse Universe

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



34.3044, 0.3406, 0.3249



57.2480, 0.3485, 0.3239



38.0845, 0.3411, 0.3450



8.5187, 0.3272, 0.3267



6.8080, 0.6263, 0.3224



0.2187, 0.5779, 0.2957

Previews

White Background



This preview shows how the Yxy color 42.8414, 0.2903, 0.3332 looks on a white background.

Color Contrast Check

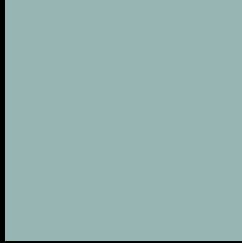
Large Text (above 18pt) WCAG AA × Fail

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 42.8414, 0.2903, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

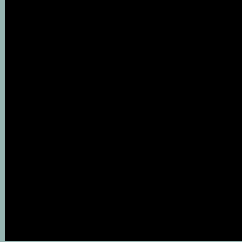
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

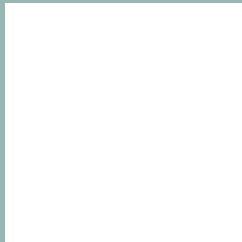
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8414, 0.2903, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 42.8414, 0.2903, 0.3332.

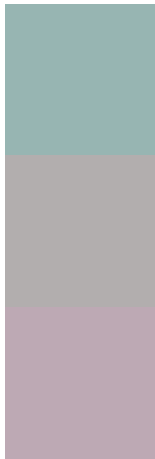


This preview shows how white text looks on a background with the Yxy color 42.8414, 0.2903, 0.3332.

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

42.8414, 0.2903, 0.3332

Protanopia

42.7931, 0.3163, 0.3290

Deuteranopia

42.4900, 0.3216, 0.3148



Tritanopia

42.9605, 0.2817, 0.3097

Trichromacy



Original Color

42.8414, 0.2903, 0.3332

Protanomaly

42.8643, 0.3065, 0.3317

Deuteranomaly

42.2558, 0.3096, 0.3209

Tritanomaly

43.0457, 0.2845, 0.3178

Monochromacy



Original Color

42.8414, 0.2903, 0.3332

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.6084, 0.3039, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8414, 0.2903, 0.3332 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(151, 181, 178)` looks like.

```
.text, #text, p{  
    color:rgb(151, 181, 178)  
}
```

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(151, 181, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 181, 178) }
```

Border

The CSS property to change the border of an element to Yxy 42.8414, 0.2903, 0.3332 is called "border". The border property can be set on classes, ids or directly on the HTML element.

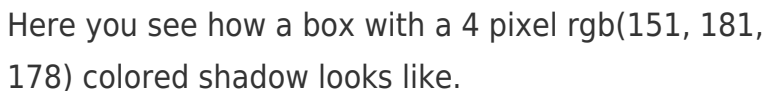
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 181, 178) }
```

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

```
.border{ border-color:rgb(151, 181, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 181, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 181, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 181, 178);  
box-shadow:4px 4px 4px 4px rgb(151, 181,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8414, 0.2903, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 181, 178) }
```

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

```
.background{ background-color: rgb(151,  
181, 178) }
```

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](#).

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