

Converting Colors

$Yxy(47.9434, 0.2962, 0.3320)$

Have a look what the booklet for
Yxy(47.9434, 0.2962, 0.3320)
contains.

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Color

Yxy(48.0474, 0.2965, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	A6BDBA
RGB	166, 189, 186
RGB Percent	65%, 74%, 73%
CMY	0.3491, 0.2588, 0.2707
CMYK	0.12, 0.00, 0.02, 0.26
HSL	172°, 15%, 70%
HSV	172°, 12%, 74%
XYZ	42.7809, 48.0474, 53.4581
YIQ	181.7810, -12.7450, -5.8090

Conversions

Conversions Part 2

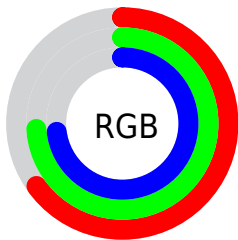
Format	Color
R _Y B	166, 178, 189
Decimal	10927546
CIE Lab	74.85, -8.43, -1.13
CIE LCh	75, 8.507, 187.649
Yxy	48.0474, 0.2965, 0.3330
Android (android.graphics.Color)	4289117626 (0xFFA6BDBA)
YUV	181.7810, 2.0800, -13.8399
Hunter-Lab	69.3162, -11.1359, 2.7957

Details

The Yxy color **48.0474, 0.2965, 0.3330** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.9514, 0.3317, 0.3251**, and the grayscale version is **46.6460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0878, 0.2993, 0.3321**, and **22.8792, 0.2920, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **46.0498, 0.2840, 0.3366**, and if you desaturate by 10%, it is **50.3511, 0.3098, 0.3297**.

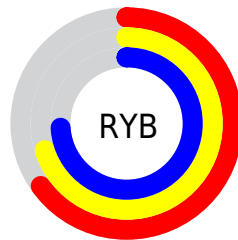
Distribution



Red (65%)

Green (74%)

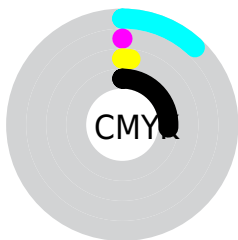
Blue (73%)



Red (65%)

Yellow (70%)

Blue (74%)

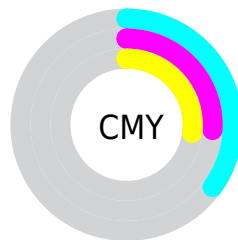


Cyan (12%)

Magenta (0%)

Yellow (2%)

Black (26%)



Cyan (35%)


Magenta (26%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.0474, 0.2965, 0.3330 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 48.0474, 0.2965, 0.3330 by changing the saturation by 10% instead.


 48.0474, 0.2965,
0.3330

 48.0474, 0.2965,
0.3330

378.9800, 0.3046,
0.3310

 33.8644, 0.2945,
0.3335


 87.2750, 0.2994,
0.3323

 22.7895, 0.2920,
0.3341


 113.0884, 0.3005,
0.3320

 14.4381, 0.2886,
0.3349


143.5473, 0.3014,
0.3318

 8.4260, 0.2839,
0.3360

179.0363, 0.3022,
0.3316

 4.3687, 0.2769,
0.3375

219.9397, 0.3029,
0.3314

 1.8819, 0.2655,
0.3400

266.6418, 0.3035,

 0.5375, 0.2024,

0.3313

0.3567

319.5271, 0.3041,
0.3312

0.0000, 0.0000,
0.0000

48.0474, 0.2965,
0.3330

48.0474, 0.2965,
0.3330

46.0498, 0.2840,
0.3366

50.3511, 0.3098,
0.3297

44.3391, 0.2724,
0.3405

52.9671, 0.3234,
0.3267

42.9034, 0.2621,
0.3447

55.9090, 0.3373,
0.3240

41.7275, 0.2534,
0.3490

59.1877, 0.3512,
0.3216

40.7947, 0.2463,
0.3535

61.7580, 0.3603,
0.3194

■ 40.0865, 0.2412,
0.3581

■ 61.8744, 0.3583,
0.3168

■ 39.5814, 0.2380,
0.3627

■ 61.9927, 0.3562,
0.3142

■ 39.2541, 0.2365,
0.3673

■ 62.1129, 0.3541,
0.3117

■ 39.0834, 0.2364,
0.3709

■ 62.2350, 0.3520,
0.3091

Harmonies

Analogous

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



48.0474, 0.3066, 0.3428



48.0474, 0.2965, 0.3330



48.0474, 0.2908, 0.3223

Triad

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



48.0474, 0.2965, 0.3330



48.0474, 0.3067, 0.3102



48.0474, 0.3351, 0.3440

Complementary

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



48.0474, 0.2965, 0.3330



40.9514, 0.3317, 0.3251

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.



48.0474, 0.3352, 0.3351



48.0474, 0.2965, 0.3330



48.0474, 0.3186, 0.3158

Square

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



48.0474, 0.2965, 0.3330



48.0474, 0.2965, 0.3093



48.0474, 0.3291, 0.3248



48.0474, 0.3289, 0.3491

Rectangle

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



48.0474, 0.2965, 0.3330



48.0474, 0.2901, 0.3161



48.0474, 0.3291, 0.3248



48.0474, 0.3359, 0.3413

Sweetspot

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



48.0494, 0.2965, 0.3330



89.3492, 0.3072, 0.3303



47.5937, 0.3138, 0.3602



19.1448, 0.3062, 0.3305



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



48.0494, 0.2965, 0.3330



84.8940, 0.2926, 0.3341



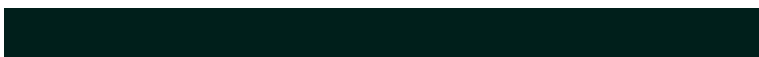
44.6518, 0.2941, 0.3176



10.7873, 0.3002, 0.3320



26.3009, 0.2362, 0.3703



1.0363, 0.2332, 0.3593

Inverse Universe

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



40.9514, 0.3317, 0.3251



69.3276, 0.3373, 0.3240



44.0099, 0.3330, 0.3401



9.5563, 0.3268, 0.3260



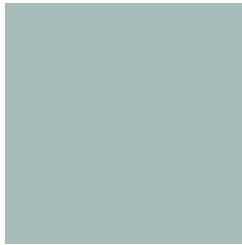
7.3329, 0.6210, 0.3195



0.2940, 0.5686, 0.2906

Previews

White Background



This preview shows how the Yxy color 48.0474, 0.2965, 0.3330 looks on a white background.

Color Contrast Check

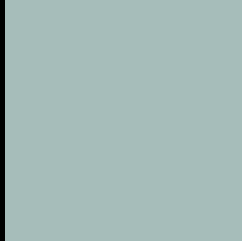
Large Text (above 18pt) WCAG AA × Fail

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 48.0474, 0.2965, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

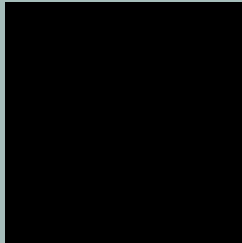
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

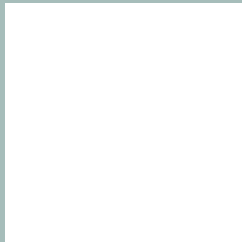
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.0474, 0.2965, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 48.0474, 0.2965, 0.3330.

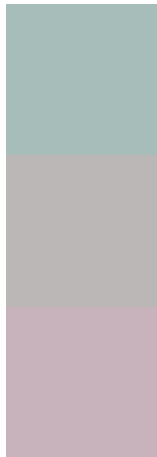


This preview shows how white text looks on a background with the Yxy color 48.0474, 0.2965, 0.3330.

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

48.0474, 0.2965, 0.3330

Protanopia

47.8507, 0.3161, 0.3290

Deuteranopia

47.7510, 0.3237, 0.3167



Tritanopia

48.1927, 0.2881, 0.3108

Trichromacy



Original Color

48.0474, 0.2965, 0.3330

Protanomaly

47.7423, 0.3085, 0.3303

Deuteranomaly

47.7351, 0.3139, 0.3226

Tritanomaly

48.2768, 0.2909, 0.3185

Monochromacy



Original Color

48.0474, 0.2965, 0.3330

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.3469, 0.3068, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0474, 0.2965, 0.3330 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(166, 189, 186)` looks like.

```
.text, #text, p{  
    color:rgb(166, 189, 186)  
}
```

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(166, 189, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 189, 186) }
```

Border

The CSS property to change the border of an element to Yxy 48.0474, 0.2965, 0.3330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

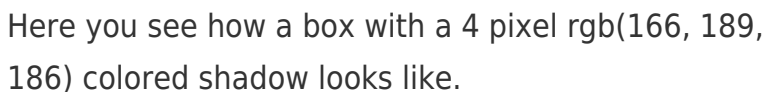
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 189, 186) }
```

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

```
.border{ border-color:rgb(166, 189, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 189, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 189, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 189, 186); box-shadow:4px 4px 4px 4px rgb(166, 189, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0474, 0.2965, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 189, 186) }
```

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

```
.background{ background-color: rgb(166,  
189, 186) }
```

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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