

Converting Colors

$Y_{xy}(42.8921, 0.2976, 0.3770)$

Have a look what the booklet for
Yxy(42.8921, 0.2976, 0.3770)
contains.

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Color

Yxy(42.8542, 0.2977, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	8ABA9A
RGB	138, 186, 154
RGB Percent	54%, 73%, 60%
CMY	0.4587, 0.2706, 0.3960
CMYK	0.26, 0.00, 0.17, 0.27
HSL	140°, 26%, 64%
HSV	140°, 26%, 73%
XYZ	33.8760, 42.8542, 37.0622
YIQ	168.0000, -18.3360, -20.1280

Conversions

Conversions Part 2

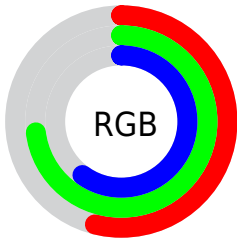
Format	Color
RYB	138, 174, 186
Decimal	9091738
CIELab	71.46, -22.46, 11.14
CIELCh	71, 25.073, 153.614
Yxy	42.8542, 0.2977, 0.3766
Android (android.graphics.Color)	4287281818 (0xFF8ABA9A)
YUV	168.0000, -6.9020, -26.3100
Hunter-Lab	65.4631, -22.1899, 12.2569

Details

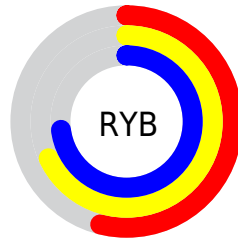
The Yxy color **42.8542, 0.2977, 0.3766** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.5248, 0.3318, 0.2858**, and the grayscale version is **39.2022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2648, 0.3008, 0.3675**, and **19.7806, 0.2929, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **41.0106, 0.2924, 0.3987**, and if you desaturate by 10%, it is **45.0158, 0.3034, 0.3565**.

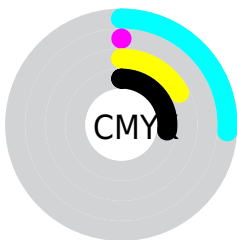
Distribution



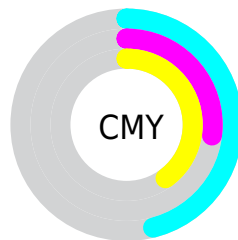
- Red (54%)
- Green (73%)
- Blue (60%)



- Red (54%)
- Yellow (68%)
- Blue (73%)



- Cyan (26%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)





- Cyan (46%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8542, 0.2977, 0.3766 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 42.8542, 0.2977, 0.3766 by changing the saturation by 10% instead.


 42.8542, 0.2977,
0.3766

 42.8542, 0.2977,
0.3766


358.0118, 0.3057,
0.3517

 29.7707, 0.2955,
0.3832


 79.4908, 0.3007,
0.3673

 19.6646, 0.2927,
0.3919


 103.8127, 0.3018,
0.3639

 12.1515, 0.2886,
0.4039


 132.6496, 0.3027,
0.3610

 6.8469, 0.2826,
0.4215

166.3858, 0.3035,
0.3586

 3.3666, 0.2728,
0.4498

205.4057, 0.3042,
0.3565

 1.3260, 0.2542,
0.5130

250.0938, 0.3047,

 0.1612, 0.0000,

0.3547

1.0000

300.8343, 0.3052,
0.3531

0.0000, 0.0000,
0.0000

42.8542, 0.2977,
0.3766

42.8542, 0.2977,
0.3766

41.0106, 0.2924,
0.3987

45.0158, 0.3034,
0.3565

39.4644, 0.2879,
0.4226

47.5041, 0.3093,
0.3385

38.2011, 0.2843,
0.4477


50.3342, 0.3152,
0.3225


37.2025, 0.2821,
0.4734


53.5184, 0.3210,
0.3085


36.4486, 0.2814,
0.4986


57.0686, 0.3266,
0.2962


 35.9160, 0.2825,
0.5223

 60.9961, 0.3319,
0.2855

 35.5756, 0.2852,
0.5433

 62.7175, 0.3265,
0.2743

 35.4651, 0.2865,
0.5514

 63.4833, 0.3172,
0.2630

 63.5974, 0.3159,
0.2614

Harmonies

Analogous

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



42.8542, 0.3336, 0.3928



42.8542, 0.2977, 0.3766



42.8542, 0.2670, 0.3452

Triad

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



42.8542, 0.2977, 0.3766



42.8542, 0.2610, 0.2711



42.8542, 0.3810, 0.3410

Complementary

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



42.8542, 0.2977, 0.3766



31.5248, 0.3318, 0.2858

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.



42.8542, 0.3593, 0.3118



42.8542, 0.2977, 0.3766



42.8542, 0.2890, 0.2728

Square

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



42.8542, 0.2977, 0.3766



42.8542, 0.2468, 0.2841



42.8542, 0.3250, 0.2874



42.8542, 0.3830, 0.3692

Rectangle

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



42.8542, 0.2977, 0.3766



42.8542, 0.2532, 0.3217



42.8542, 0.3250, 0.2874



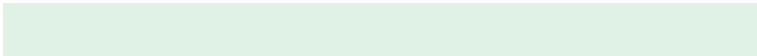
42.8542, 0.3758, 0.3311

Sweetspot

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



42.8560, 0.2977, 0.3766



84.9960, 0.3079, 0.3425



45.5892, 0.3374, 0.3954



18.5631, 0.3070, 0.3452



95.5105, 0.3127, 0.3290



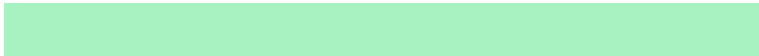
19.5994, 0.3127, 0.3290

Same Dimension

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



42.8560, 0.2977, 0.3766



75.6991, 0.2946, 0.3890



43.7050, 0.2814, 0.3416



10.1082, 0.3072, 0.3446



23.8727, 0.2858, 0.5490



0.8534, 0.2704, 0.4934

Inverse Universe

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



31.5248, 0.3318, 0.2858



51.6362, 0.3371, 0.2759



30.7230, 0.3568, 0.3169



9.1105, 0.3187, 0.3139



8.0167, 0.4256, 0.2118



0.2936, 0.3924, 0.1935

Previews

White Background



This preview shows how the Yxy color 42.8542, 0.2977, 0.3766 looks on a white background.

Color Contrast Check

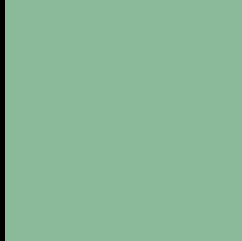
Large Text (above 18pt) WCAG AA × Fail

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 42.8542, 0.2977, 0.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

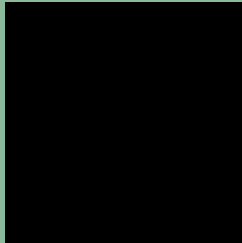
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8542, 0.2977, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 42.8542, 0.2977, 0.3766.



This preview shows how white text looks on a background with the Yxy color 42.8542, 0.2977, 0.3766.

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

42.8542, 0.2977, 0.3766

Protanopia

42.6006, 0.3441, 0.3642

Deuteranopia

42.3442, 0.3490, 0.3421



Tritanopia

42.6936, 0.2744, 0.3081

Trichromacy



Original Color

42.8542, 0.2977, 0.3766

Protanomaly

42.2583, 0.3258, 0.3685

Deuteranomaly

42.3244, 0.3287, 0.3538

Tritanomaly

42.5908, 0.2827, 0.3318

Monochromacy



Original Color

42.8542, 0.2977, 0.3766

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.4724, 0.3067, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8542, 0.2977, 0.3766 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(138, 186, 154)` looks like.

```
.text, #text, p{  
    color:rgb(138, 186, 154)  
}
```

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(138, 186, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 186, 154) }
```

Border

The CSS property to change the border of an element to Yxy 42.8542, 0.2977, 0.3766 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(138, 186, 154) }
```

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

```
.border{ border-color:rgb(138, 186, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 186, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 186, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 186, 154);  
box-shadow:4px 4px 4px 4px rgb(138, 186,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8542, 0.2977, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 186, 154) }
```

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

```
.background{ background-color: rgb(138,  
186, 154) }
```

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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