

Converting Colors

$Yxy(67.0974, 0.2970, 0.3879)$

Have a look what the booklet for
Yxy(67.0974, 0.2970, 0.3879)
contains.

Yxy(67.0974, 0.2970, 0.3879)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.0974, 0.2970, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	A2E5B6
RGB	162, 229, 182
RGB Percent	64%, 90%, 71%
CMY	0.3644, 0.1020, 0.2862
CMYK	0.29, 0.00, 0.21, 0.10
HSL	138°, 56%, 77%
HSV	138°, 29%, 90%
XYZ	51.3739, 67.0974, 54.5047
YIQ	203.6090, -24.8450, -28.8210

Conversions

Conversions Part 2

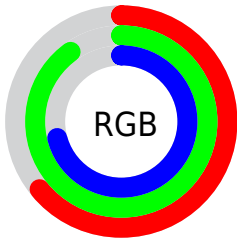
Format	Color
RYB	162, 214, 229
Decimal	10675638
CIELab	85.55, -30.44, 16.29
CIELCh	86, 34.523, 151.845
Yxy	67.0974, 0.2970, 0.3879
Android (android.graphics.Color)	4288865718 (0xFFA2E5B6)
YUV	203.6090, -10.6532, -36.4911
Hunter-Lab	81.9130, -31.3968, 17.8877

Details

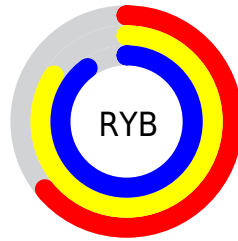
The Yxy color **67.0974, 0.2970, 0.3879** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.1269, 0.3332, 0.2767**, and the grayscale version is **60.2144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5985, 0.2997, 0.3465**, and **34.6603, 0.2921, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **64.2882, 0.2923, 0.4123**, and if you desaturate by 10%, it is **70.4252, 0.3022, 0.3656**.

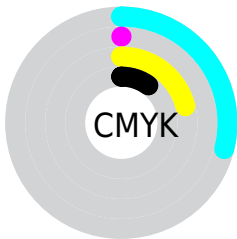
Distribution



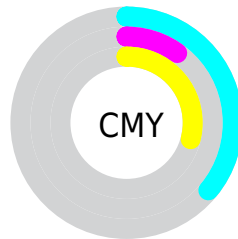
- Red (64%)
- Green (90%)
- Blue (71%)



- Red (64%)
- Yellow (84%)
- Blue (90%)



- Cyan (29%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)





- Cyan (36%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0974, 0.2970, 0.3879 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 67.0974, 0.2970, 0.3879 by changing the saturation by 10% instead.

 67.0974, 0.2970,
0.3879

 67.0974, 0.2970,
0.3879


450.2914, 0.3049,
0.3591

 49.1638, 0.2950,
0.3949


 115.0600, 0.2999,
0.3776

 34.7494, 0.2924,
0.4037


 145.8577, 0.3010,
0.3737

 23.4699, 0.2890,
0.4153


181.7123, 0.3019,
0.3703

 14.9409, 0.2843,
0.4311

223.0081, 0.3027,
0.3675

 8.7779, 0.2772,
0.4537

270.1295, 0.3034,
0.3650

 4.5966, 0.2657,
0.4888

323.4609, 0.3040,

 2.0126, 0.2456,

0.3628

383.3867, 0.3045,
0.3608

0.5524

0.6148, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.0974, 0.2970,
0.3879

67.0974, 0.2970,
0.3879

64.2882, 0.2923,
0.4123

70.4252, 0.3022,
0.3656

61.9629, 0.2883,
0.4385

74.2876, 0.3077,
0.3455

60.0957, 0.2855,
0.4655

78.7102, 0.3131,
0.3277

58.6547, 0.2841,
0.4926

83.7143, 0.3185,
0.3121

■ 57.6040, 0.2843,
0.5183

■ 84.5138, 0.3139,
0.3039

■ 56.9012, 0.2862,
0.5415

■ 56.4810, 0.2893,
0.5610

■ 56.4542, 0.2895,
0.5623

Harmonies

Analogous

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



67.0974, 0.3394, 0.4057



67.0974, 0.2970, 0.3879



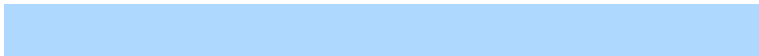
67.0974, 0.2604, 0.3506

Triad

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



67.0974, 0.2970, 0.3879



67.0974, 0.2504, 0.2614



67.0974, 0.3930, 0.3404

Complementary

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



67.0974, 0.2970, 0.3879



47.1269, 0.3332, 0.2767

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.



67.0974, 0.3659, 0.3066



67.0974, 0.2970, 0.3879



67.0974, 0.2822, 0.2627

Square

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



67.0974, 0.2970, 0.3879



67.0974, 0.2350, 0.2771



67.0974, 0.3244, 0.2790



67.0974, 0.3965, 0.3739

Rectangle

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



67.0974, 0.2970, 0.3879



67.0974, 0.2438, 0.3223



67.0974, 0.3244, 0.2790



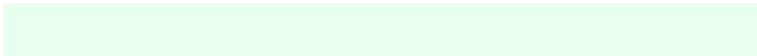
67.0974, 0.3863, 0.3288

Sweetspot

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



67.1002, 0.2970, 0.3879



94.9096, 0.3077, 0.3452



72.3509, 0.3426, 0.4055



20.1503, 0.3069, 0.3480



0.0000, 0.0000, 0.0000



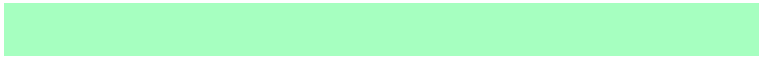
21.4041, 0.3127, 0.3290

Same Dimension

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



67.1002, 0.2970, 0.3879



83.4212, 0.2941, 0.4023



68.6025, 0.2784, 0.3464



16.1595, 0.3075, 0.3459



32.2990, 0.2888, 0.5596



2.4027, 0.2807, 0.5304

Inverse Universe

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



47.1269, 0.3332, 0.2767



54.0654, 0.3386, 0.2657



45.6782, 0.3634, 0.3124



14.5382, 0.3183, 0.3126



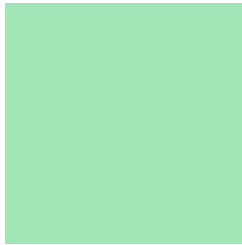
11.0127, 0.4136, 0.2052



0.8300, 0.3968, 0.1960

Previews

White Background



This preview shows how the Yxy color 67.0974, 0.2970, 0.3879 looks on a white background.

Color Contrast Check

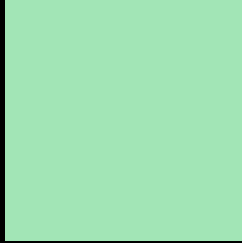
Large Text (above 18pt) WCAG AA × Fail

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 67.0974, 0.2970, 0.3879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

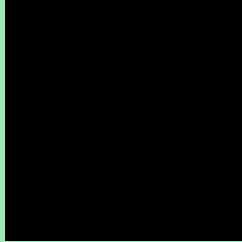
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

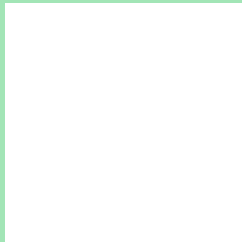
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0974, 0.2970, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 67.0974, 0.2970, 0.3879.



This preview shows how white text looks on a background with the Yxy color 67.0974, 0.2970, 0.3879.

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

67.0974, 0.2970, 0.3879

Protanopia

66.8132, 0.3504, 0.3728

Deuteranopia

66.3052, 0.3561, 0.3484



Tritanopia

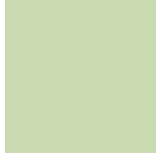
66.8291, 0.2704, 0.3080

Trichromacy



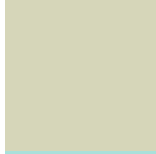
Original Color

67.0974, 0.2970, 0.3879



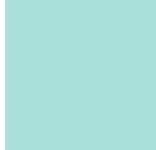
Protanomaly

66.5339, 0.3293, 0.3784



Deuteranomaly

65.8921, 0.3329, 0.3623



Tritanomaly

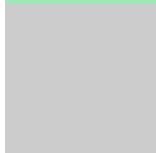
66.8083, 0.2801, 0.3361

Monochromacy



Original Color

67.0974, 0.2970, 0.3879



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.3928, 0.3067, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0974, 0.2970, 0.3879 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(162, 229, 182)` looks like.

```
.text, #text, p{  
    color:rgb(162, 229, 182)  
}
```

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(162, 229, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 229, 182) }
```

Border

The CSS property to change the border of an element to Yxy 67.0974, 0.2970, 0.3879 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(162, 229, 182) }
```

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

```
.border{ border-color:rgb(162, 229, 182) }
```

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

Here you see how a box with a 4 pixel rgb(162, 229, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 229, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 229, 182);  
box-shadow:4px 4px 4px 4px rgb(162, 229,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0974, 0.2970, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 229, 182) }
```

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

```
.background{ background-color: rgb(162,  
229, 182) }
```

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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