

Converting Colors

$Yxy(70.1678, 0.3021, 0.4166)$

Have a look what the booklet for
Yxy(70.1678, 0.3021, 0.4166)
contains.

Yxy(70.4263, 0.3018, 0.4171)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4263, 0.3018, 0.4171)

Conversions

Conversions Part 1

Format	Color
Hex	9CEDA7
RGB	156, 237, 167
RGB Percent	61%, 93%, 65%
CMY	0.3885, 0.0705, 0.3451
CMYK	0.34, 0.00, 0.30, 0.07
HSL	128°, 69%, 77%
HSV	128°, 34%, 93%
XYZ	50.9582, 70.4263, 47.4630
YIQ	204.8010, -25.8060, -38.9420

Conversions

Conversions Part 2

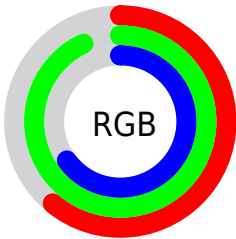
Format	Color
RYB	156, 227, 237
Decimal	10284455
CIELab	87.21, -38.66, 26.30
CIELCh	87, 46.757, 145.779
Yxy	70.4263, 0.3018, 0.4171
Android (android.graphics.Color)	4288474535 (0xFF9CEDA7)
YUV	204.8010, -18.6359, -42.7985
Hunter-Lab	83.9204, -38.4718, 25.2115

Details

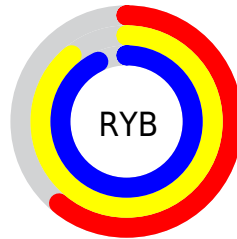
The Yxy color **70.4263, 0.3018, 0.4171** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.2482, 0.3261, 0.2545**, and the grayscale version is **61.0415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9401, 0.3056, 0.3638**, and **37.0523, 0.2971, 0.4406** is the 20% darker color. If you saturate the color by 10%, you get **67.5943, 0.2990, 0.4484**, and if you desaturate by 10%, it is **73.8452, 0.3049, 0.3879**.

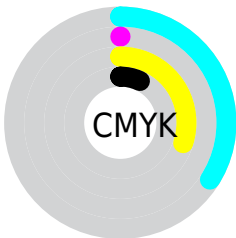
Distribution



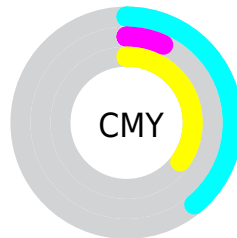
- Red (61%)
- Green (93%)
- Blue (65%)



- Red (61%)
- Yellow (89%)
- Blue (93%)



- Cyan (34%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)





- Cyan (39%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4263, 0.3018, 0.4171 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 70.4263, 0.3018, 0.4171 by changing the saturation by 10% instead.


 70.4263, 0.3018,
0.4171

 70.4263, 0.3018,
0.4171


462.0454, 0.3081,
0.3738

 51.8742, 0.3000,
0.4276


 119.8165, 0.3043,
0.4016

 36.9048, 0.2976,
0.4409


 151.4233, 0.3051,
0.3957

 25.1338, 0.2942,
0.4582


188.1505, 0.3059,
0.3907

 16.1767, 0.2893,
0.4817

230.3824, 0.3065,
0.3864

 9.6493, 0.2814,
0.5151

278.5035, 0.3070,
0.3826

 5.1671, 0.2675,
0.5657

332.8981, 0.3074,

 2.3456, 0.2514,


0.3793


0.6803

393.9506, 0.3078,
0.3764

 0.7977, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 70.4263, 0.3018,
0.4171

 70.4263, 0.3018,
0.4171

 67.5943, 0.2990,
0.4484


 73.8452, 0.3049,
0.3879


 65.3078, 0.2967,
0.4807

 77.8723, 0.3082,
0.3615

 63.5340, 0.2952,
0.5124

 82.5384, 0.3114,
0.3380

 62.2326, 0.2946,
0.5414

 87.8696, 0.3145,
0.3174

■ 61.3577, 0.2951,
0.5656

■ 89.0589, 0.3135,
0.3117

■ 60.8533, 0.2965,
0.5835

■ 60.6850, 0.2974,
0.5907

Harmonies

Analogous

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



70.4263, 0.3575, 0.4328



70.4263, 0.3018, 0.4171



70.4263, 0.2517, 0.3692

Triad

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



70.4263, 0.3018, 0.4171



70.4263, 0.2255, 0.2429



70.4263, 0.4151, 0.3330

Complementary

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



70.4263, 0.3018, 0.4171



47.2482, 0.3261, 0.2545

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.



70.4263, 0.3732, 0.2911



70.4263, 0.3018, 0.4171



70.4263, 0.2622, 0.2412

Square

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



70.4263, 0.3018, 0.4171



70.4263, 0.2108, 0.2663



70.4263, 0.3156, 0.2586



70.4263, 0.4259, 0.3772

Rectangle

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



70.4263, 0.3018, 0.4171



70.4263, 0.2278, 0.3301



70.4263, 0.3156, 0.2586



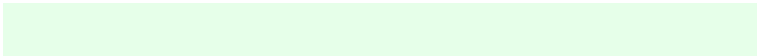
70.4263, 0.4041, 0.3184

Sweetspot

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



70.4293, 0.3018, 0.4171



94.1424, 0.3095, 0.3513



79.1787, 0.3563, 0.4167



19.9876, 0.3091, 0.3547



0.0000, 0.0000, 0.0000



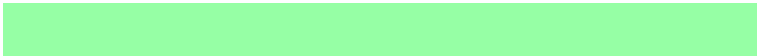
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4293, 0.3018, 0.4171



80.7532, 0.2998, 0.4387



72.1584, 0.2797, 0.3650



16.8956, 0.3097, 0.3500



33.1370, 0.2969, 0.5890



2.6127, 0.2913, 0.5686

Inverse Universe

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



47.2482, 0.3261, 0.2545



49.5514, 0.3294, 0.2399



45.2907, 0.3636, 0.2960



15.2763, 0.3159, 0.3089



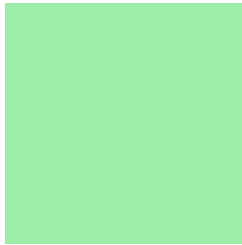
12.2416, 0.3586, 0.1749



0.9710, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 70.4263, 0.3018, 0.4171 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 70.4263, 0.3018, 0.4171 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 70.4263, 0.3018, 0.4171

Background



This preview shows how black text looks on a background with the Yxy color 70.4263, 0.3018, 0.4171.

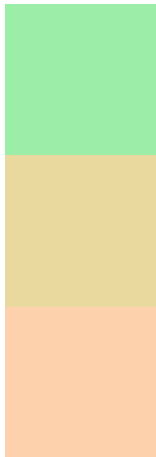


This preview shows how white text looks on a background with the Yxy color 70.4263, 0.3018, 0.4171.

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

70.4263, 0.3018, 0.4171

Protanopia

69.5868, 0.3670, 0.3935

Deuteranopia

69.6889, 0.3746, 0.3665



Tritanopia

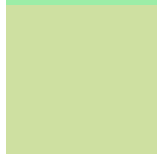
70.1887, 0.2668, 0.3083

Trichromacy



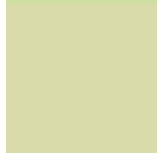
Original Color

70.4263, 0.3018, 0.4171



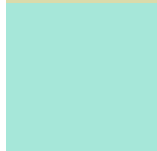
Protanomaly

69.0063, 0.3414, 0.4024



Deuteranomaly

68.5087, 0.3449, 0.3836



Tritanomaly

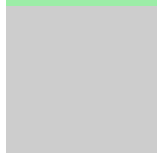
70.2686, 0.2795, 0.3456

Monochromacy



Original Color

70.4263, 0.3018, 0.4171



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.9521, 0.3084, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4263, 0.3018, 0.4171 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(156, 237, 167)` looks like.

```
.text, #text, p{  
    color:rgb(156, 237, 167)  
}
```

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(156, 237, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 237, 167) }
```

Border

The CSS property to change the border of an element to Yxy 70.4263, 0.3018, 0.4171 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(156, 237, 167) }
```

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

```
.border{ border-color:rgb(156, 237, 167) }
```

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

Here you see how a box with a 4 pixel rgb(156, 237, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 237, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 237, 167);  
box-shadow:4px 4px 4px 4px rgb(156, 237,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4263, 0.3018, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 237, 167) }
```

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

```
.background{ background-color: rgb(156,  
237, 167) }
```

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