

Converting Colors

$Yxy(70.2821, 0.3088, 0.4235)$

Have a look what the booklet for
Yxy(70.2821, 0.3088, 0.4235)
contains.

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Color

Yxy(70.1412, 0.3083, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	A1ECA1
RGB	161, 236, 161
RGB Percent	63%, 93%, 63%
CMY	0.3687, 0.0745, 0.3687
CMYK	0.32, 0.00, 0.32, 0.07
HSL	120°, 66%, 78%
HSV	120°, 32%, 93%
XYZ	51.1218, 70.1412, 44.5554
YIQ	205.0250, -20.6250, -39.2250

Conversions

Conversions Part 2

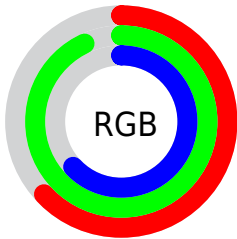
Format	Color
RYB	161, 236, 236
Decimal	10611873
CIELab	87.07, -37.63, 29.22
CIELCh	87, 47.638, 142.171
Yxy	70.1412, 0.3083, 0.4230
Android (android.graphics.Color)	4288801953 (0xFFA1ECA1)
YUV	205.0250, -21.7043, -38.6099
Hunter-Lab	83.7503, -37.6054, 27.0828

Details

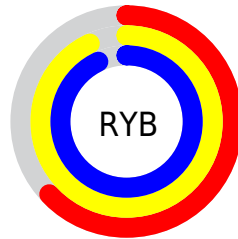
The Yxy color **70.1412, 0.3083, 0.4230** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.3726, 0.3164, 0.2501**, and the grayscale version is **61.2154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3833, 0.3120, 0.3700**, and **36.8724, 0.3056, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **67.1643, 0.3066, 0.4585**, and if you desaturate by 10%, it is **73.7439, 0.3099, 0.3898**.

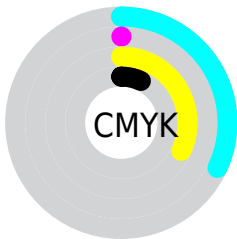
Distribution



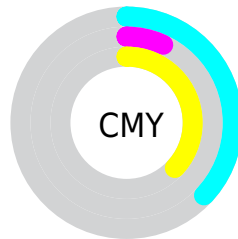
- Red (63%)
- Green (93%)
- Blue (63%)



- Red (63%)
- Yellow (93%)
- Blue (93%)



- Cyan (32%)
- Magenta (0%)
- Yellow (32%)
- Black (7%)




- Cyan (37%)
- Magenta (7%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.1412, 0.3083, 0.4230 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 70.1412, 0.3083, 0.4230 by changing the saturation by 10% instead.


 70.1412, 0.3083,
0.4230


 70.1412, 0.3083,
0.4230

461.0456, 0.3117,
0.3768

 51.6417, 0.3071,
0.4342


 119.4101, 0.3098,
0.4064

 36.7195, 0.3054,
0.4484


 150.9482, 0.3103,
0.4002

 24.9904, 0.3029,
0.4668


187.6014, 0.3107,
0.3948

 16.0699, 0.2989,
0.4917

229.7539, 0.3110,
0.3902

 9.5736, 0.2921,
0.5270

277.7902, 0.3112,
0.3862

 5.1172, 0.2793,
0.5798


332.0946, 0.3114,

 2.3162, 0.2736,


0.3827


0.7219


393.0516, 0.3116,
0.3796

 0.7823, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 70.1412, 0.3083,
0.4230


 70.1412, 0.3083,
0.4230


 67.1643, 0.3066,
0.4585

 73.7439, 0.3099,
0.3898

 64.7692, 0.3049,
0.4946

 77.9957, 0.3113,
0.3598

 62.9206, 0.3033,
0.5289

 82.9295, 0.3125,
0.3334

 61.5754, 0.3019,
0.5586

 88.4767, 0.3136,
0.3107

■ 60.6841, 0.3009,
0.5810

■ 60.1873, 0.3003,
0.5945

■ 59.9967, 0.3000,
0.6000

Harmonies

Analogous

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



70.1412, 0.3647, 0.4344



70.1412, 0.3083, 0.4230



70.1412, 0.2558, 0.3770

Triad

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



70.1412, 0.3083, 0.4230



70.1412, 0.2209, 0.2429



70.1412, 0.4135, 0.3275

Complementary

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



70.1412, 0.3083, 0.4230



49.3726, 0.3164, 0.2501

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.



70.1412, 0.3677, 0.2858



70.1412, 0.3083, 0.4230



70.1412, 0.2556, 0.2388

Square

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



70.1412, 0.3083, 0.4230



70.1412, 0.2088, 0.2694



70.1412, 0.3085, 0.2543



70.1412, 0.4287, 0.3726

Rectangle

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



70.1412, 0.3083, 0.4230



70.1412, 0.2299, 0.3372



70.1412, 0.3085, 0.2543



70.1412, 0.4010, 0.3129

Sweetspot

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



70.1442, 0.3083, 0.4230



93.9457, 0.3115, 0.3549



80.4037, 0.3607, 0.4083



19.9405, 0.3113, 0.3589



0.0000, 0.0000, 0.0000



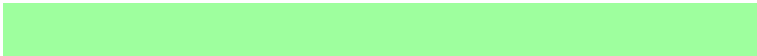
21.4041, 0.3127, 0.3290

Same Dimension

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



70.1442, 0.3083, 0.4230



81.2717, 0.3072, 0.4454



71.6714, 0.2872, 0.3747



16.8622, 0.3116, 0.3534



33.0681, 0.3000, 0.6000



2.5967, 0.3000, 0.6000

Inverse Universe

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



49.3726, 0.3164, 0.2501



52.9670, 0.3171, 0.2348



47.4165, 0.3493, 0.2876



15.3138, 0.3138, 0.3058



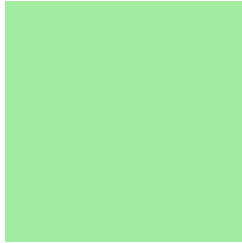
13.1671, 0.3210, 0.1542



1.0339, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 70.1412, 0.3083, 0.4230 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 70.1412, 0.3083, 0.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

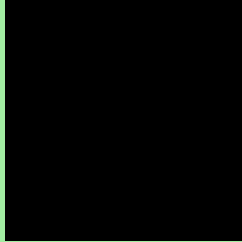
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1412, 0.3083, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 70.1412, 0.3083, 0.4230.



This preview shows how white text looks on a background with the Yxy color 70.1412, 0.3083, 0.4230.

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

70.1412, 0.3083, 0.4230

Protanopia

69.4180, 0.3706, 0.3988

Deuteranopia

69.1618, 0.3803, 0.3716



Tritanopia

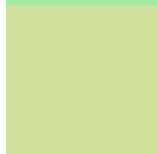
70.1545, 0.2701, 0.3084

Trichromacy



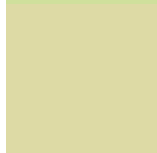
Original Color

70.1412, 0.3083, 0.4230



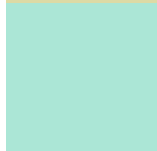
Protanomaly

68.9770, 0.3454, 0.4080



Deuteranomaly

68.2316, 0.3516, 0.3889



Tritanomaly

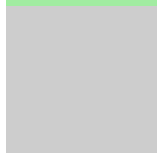
70.1066, 0.2841, 0.3480

Monochromacy



Original Color

70.1412, 0.3083, 0.4230



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.6047, 0.3112, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1412, 0.3083, 0.4230 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(161, 236, 161)` looks like.

```
.text, #text, p{  
    color:rgb(161, 236, 161)  
}
```

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(161, 236, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 236, 161) }
```

Border

The CSS property to change the border of an element to Yxy 70.1412, 0.3083, 0.4230 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(161, 236, 161) }
```

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

```
.border{ border-color:rgb(161, 236, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 236, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 236, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 236, 161);  
box-shadow:4px 4px 4px 4px rgb(161, 236,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1412, 0.3083, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 236, 161) }
```

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

```
.background{ background-color: rgb(161,  
236, 161) }
```

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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