

Converting Colors

$Yxy(71.7129, 0.3082, 0.4235)$

Have a look what the booklet for
Yxy(71.7129, 0.3082, 0.4235)
contains.

Yxy(71.4391, 0.3083, 0.4236)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.4391, 0.3083, 0.4236)

Conversions

Conversions Part 1

Format	Color
Hex	A2EEA2
RGB	162, 238, 162
RGB Percent	64%, 93%, 64%
CMY	0.3647, 0.0666, 0.3648
CMYK	0.32, 0.00, 0.32, 0.07
HSL	120°, 69%, 78%
HSV	120°, 32%, 93%
XYZ	51.9940, 71.4391, 45.2144
YIQ	206.6120, -20.9000, -39.7480

Conversions

Conversions Part 2

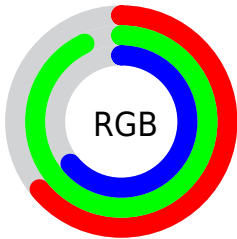
Format	Color
RYB	162, 238, 238
Decimal	10677922
CIELab	87.70, -38.05, 29.58
CIELCh	88, 48.194, 142.141
Yxy	71.4391, 0.3083, 0.4236
Android (android.graphics.Color)	4288868002 (0xFFA2EEA2)
YUV	206.6120, -21.9937, -39.1247
Hunter-Lab	84.5217, -38.1075, 27.4483

Details

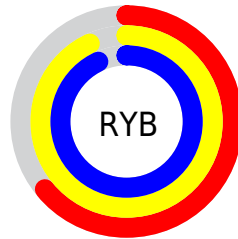
The Yxy color **71.4391, 0.3083, 0.4236** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.1744, 0.3164, 0.2496**, and the grayscale version is **62.2884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5898, 0.3121, 0.3688**, and **37.7075, 0.3049, 0.4489** is the 20% darker color. If you saturate the color by 10%, you get **68.4143, 0.3066, 0.4591**, and if you desaturate by 10%, it is **75.1014, 0.3099, 0.3904**.

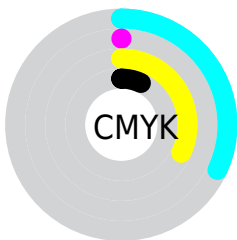
Distribution



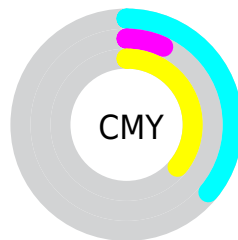
- Red (64%)
- Green (93%)
- Blue (64%)



- Red (64%)
- Yellow (93%)
- Blue (93%)



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




- Cyan (36%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.4391, 0.3083, 0.4236 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 71.4391, 0.3083, 0.4236 by changing the saturation by 10% instead.


 71.4391, 0.3083,
0.4236


 71.4391, 0.3083,
0.4236

465.5870, 0.3117,
0.3773

 52.7006, 0.3071,
0.4348


 121.2587, 0.3098,
0.4070

 37.5638, 0.3054,
0.4489


 153.1087, 0.3103,
0.4007

 25.6443, 0.3029,
0.4673

190.0979, 0.3107,
0.3953

 16.5578, 0.2989,
0.4921

232.6108, 0.3110,
0.3907

 9.9197, 0.2922,
0.5270

281.0318, 0.3112,
0.3867

 5.3457, 0.2797,
0.5790


335.7452, 0.3114,

 2.4515, 0.2712,


0.3832


0.7098

397.1354, 0.3116,
0.3800


 0.8522, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.4391, 0.3083,
0.4236


 71.4391, 0.3083,
0.4236


 68.4143, 0.3066,
0.4591

 75.1014, 0.3099,
0.3904


 65.9822, 0.3049,
0.4952

 79.4249, 0.3113,
0.3603

 64.1065, 0.3033,
0.5295

 84.4434, 0.3125,
0.3338

 62.7433, 0.3019,
0.5591

 89.6331, 0.3135,
0.3127

■ 61.8420, 0.3009,
0.5813

■ 61.3418, 0.3003,
0.5947

■ 61.1538, 0.3000,
0.6000

Harmonies

Analogous

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



71.4391, 0.3650, 0.4349



71.4391, 0.3083, 0.4236



71.4391, 0.2556, 0.3773

Triad

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



71.4391, 0.3083, 0.4236



71.4391, 0.2204, 0.2425



71.4391, 0.4141, 0.3274

Complementary

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



71.4391, 0.3083, 0.4236



50.1744, 0.3164, 0.2496

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.



71.4391, 0.3679, 0.2855



71.4391, 0.3083, 0.4236



71.4391, 0.2553, 0.2383

Square

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



71.4391, 0.3083, 0.4236



71.4391, 0.2083, 0.2691



71.4391, 0.3084, 0.2539



71.4391, 0.4293, 0.3727

Rectangle

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



71.4391, 0.3083, 0.4236



71.4391, 0.2295, 0.3372



71.4391, 0.3084, 0.2539



71.4391, 0.4015, 0.3127

Sweetspot

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



71.4421, 0.3083, 0.4236



93.9475, 0.3115, 0.3549



81.2034, 0.3613, 0.4076



19.9409, 0.3113, 0.3589



0.0000, 0.0000, 0.0000



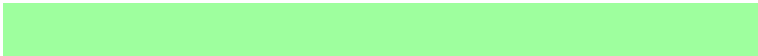
21.4041, 0.3127, 0.3290

Same Dimension

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



71.4421, 0.3083, 0.4236



81.2760, 0.3073, 0.4454



72.9414, 0.2878, 0.3766



17.6568, 0.3116, 0.3534



34.1156, 0.3000, 0.6000



2.8382, 0.3000, 0.6000

Inverse Universe

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



50.1744, 0.3164, 0.2496



52.9592, 0.3171, 0.2348



48.2362, 0.3484, 0.2861



16.0310, 0.3138, 0.3057



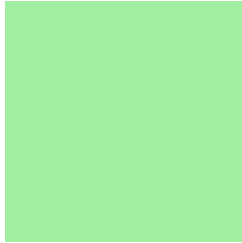
13.5743, 0.3208, 0.1541



1.1294, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 71.4391, 0.3083, 0.4236 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 71.4391, 0.3083, 0.4236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

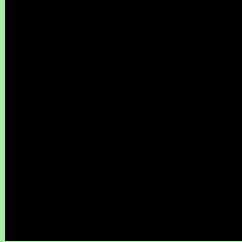
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.4391, 0.3083, 0.4236

Background



This preview shows how black text looks on a background with the Yxy color 71.4391, 0.3083, 0.4236.

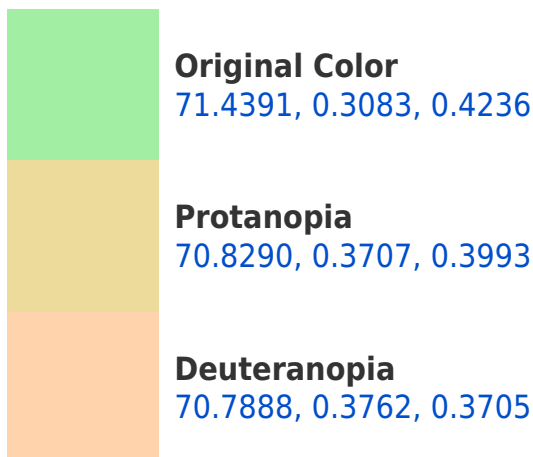


This preview shows how white text looks on a background with the Yxy color 71.4391, 0.3083, 0.4236.

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





Tritanopia

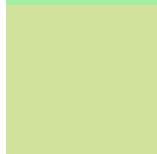
70.9391, 0.2697, 0.3074

Trichromacy



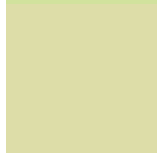
Original Color

71.4391, 0.3083, 0.4236



Protanomaly

70.3823, 0.3458, 0.4085



Deuteranomaly

69.9122, 0.3488, 0.3886



Tritanomaly

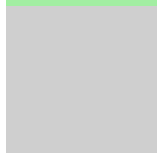
70.8288, 0.2842, 0.3479

Monochromacy



Original Color

71.4391, 0.3083, 0.4236



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.9808, 0.3112, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4391, 0.3083, 0.4236 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, 238, 162)` looks like.

```
.text, #text, p{  
    color:rgb(162, 238, 162)  
}
```

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, 238, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 238, 162) }
```

Border

The CSS property to change the border of an element to Yxy 71.4391, 0.3083, 0.4236 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, 238, 162) }
```

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

```
.border{ border-color:rgb(162, 238, 162) }
```

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

Here you see how a box with a 4 pixel rgb(162, 238, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 238, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 238, 162);  
box-shadow:4px 4px 4px 4px rgb(162, 238,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4391, 0.3083, 0.4236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 238, 162) }
```

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

```
.background{ background-color: rgb(162,  
238, 162) }
```

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