

Converting Colors

$Yxy(70.1912, 0.3216, 0.4452)$

Have a look what the booklet for
Yxy(70.1912, 0.3216, 0.4452)
contains.

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Color

Yxy(70.0811, 0.3216, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	A6EC8F
RGB	166, 236, 143
RGB Percent	65%, 93%, 56%
CMY	0.3489, 0.0745, 0.4393
CMYK	0.30, 0.00, 0.39, 0.07
HSL	105°, 71%, 74%
HSV	105°, 39%, 93%
XYZ	50.6815, 70.0811, 36.8292
YIQ	204.4680, -11.8670, -43.7630

Conversions

Conversions Part 2

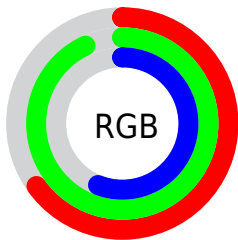
Format	Color
RYB	143, 236, 213
Decimal	10939535
CIELab	87.04, -38.67, 38.30
CIELCh	87, 54.426, 135.276
Yxy	70.0811, 0.3216, 0.4447
Android (android.graphics.Color)	4289129615 (0xFFA6EC8F)
YUV	204.4680, -30.3037, -33.7364
Hunter-Lab	83.7145, -38.4347, 32.5162

Details

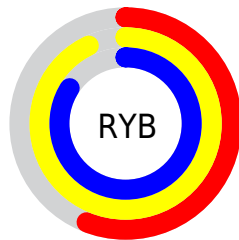
The Yxy color **70.0811, 0.3216, 0.4447** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.8296, 0.2968, 0.2257**, and the grayscale version is **60.8998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2852, 0.3255, 0.3890**, and **36.7774, 0.3207, 0.4762** is the 20% darker color. If you saturate the color by 10%, you get **67.6544, 0.3224, 0.4782**, and if you desaturate by 10%, it is **72.9290, 0.3200, 0.4120**.

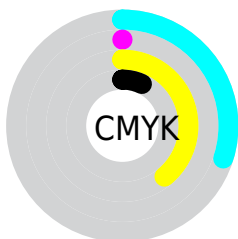
Distribution



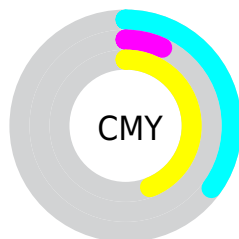
- Red (65%)
- Green (93%)
- Blue (56%)



- Red (56%)
- Yellow (93%)
- Blue (84%)



- Cyan (30%)
- Magenta (0%)
- Yellow (39%)
- Black (7%)





- Cyan (35%)
- Magenta (7%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0811, 0.3216, 0.4447 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 70.0811, 0.3216, 0.4447 by changing the saturation by 10% instead.


 70.0811, 0.3216,
0.4447

 70.0811, 0.3216,
0.4447


460.8347, 0.3196,
0.3878

 51.5927, 0.3214,
0.4584


 119.3244, 0.3214,
0.4244

 36.6805, 0.3208,
0.4756

 150.8480, 0.3212,
0.4166

 24.9602, 0.3194,
0.4979


187.4855, 0.3209,
0.4100

 16.0474, 0.3164,
0.5276

229.6213, 0.3206,
0.4044

 9.5577, 0.3099,
0.5686

277.6397, 0.3203,
0.3994

 5.1067, 0.2973,
0.6308

331.9251, 0.3201,

 2.3100, 0.2687,

0.3951

0.7313

392.8620, 0.3198,
0.3912

0.7790, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.0811, 0.3216,
0.4447

70.0811, 0.3216,
0.4447

67.6544, 0.3224,
0.4782

72.9290, 0.3200,
0.4120

65.6197, 0.3221,
0.5107

76.2080, 0.3178,
0.3812

63.9578, 0.3205,
0.5401

79.9387, 0.3153,
0.3530

62.6442, 0.3177,
0.5644

84.1378, 0.3126,
0.3276

■ 61.6511, 0.3138,
0.5818

■ 88.4304, 0.3134,
0.3107

■ 60.9407, 0.3094,
0.5922

■ 88.4718, 0.3136,
0.3107

■ 60.9063, 0.3092,
0.5927

Harmonies

Analogous

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



70.0811, 0.3842, 0.4460



70.0811, 0.3216, 0.4447



70.0811, 0.2599, 0.3992

Triad

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



70.0811, 0.3216, 0.4447



70.0811, 0.2040, 0.2361



70.0811, 0.4186, 0.3150

Complementary

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



70.0811, 0.3216, 0.4447



39.8296, 0.2968, 0.2257

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.



70.0811, 0.3601, 0.2707



70.0811, 0.3216, 0.4447



70.0811, 0.2369, 0.2266

Square

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



70.0811, 0.3216, 0.4447



70.0811, 0.1965, 0.2709



70.0811, 0.2923, 0.2394



70.0811, 0.4447, 0.3650

Rectangle

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



70.0811, 0.3216, 0.4447



70.0811, 0.2276, 0.3538



70.0811, 0.2923, 0.2394



70.0811, 0.4017, 0.2992

Sweetspot

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



70.0841, 0.3216, 0.4447



94.0767, 0.3160, 0.3601



67.2750, 0.3808, 0.4048



20.0088, 0.3163, 0.3638



0.0000, 0.0000, 0.0000



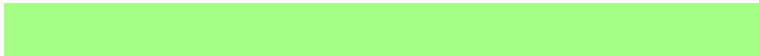
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0841, 0.3216, 0.4447



81.2574, 0.3223, 0.4707



68.5903, 0.2946, 0.4190



17.0424, 0.3153, 0.3531



33.6231, 0.3101, 0.5920



2.6843, 0.3197, 0.5844

Inverse Universe

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



39.8296, 0.2968, 0.2257



40.6447, 0.2924, 0.2054



42.2600, 0.3384, 0.2536



15.1149, 0.3098, 0.3055



8.5872, 0.2590, 0.1200



0.7188, 0.2679, 0.1250

Previews

White Background



This preview shows how the Yxy color 70.0811, 0.3216, 0.4447 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 70.0811, 0.3216, 0.4447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

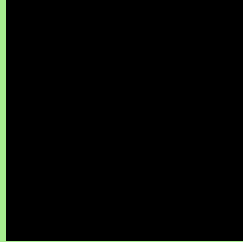
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0811, 0.3216, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 70.0811, 0.3216, 0.4447.



This preview shows how white text looks on a background with the Yxy color 70.0811, 0.3216, 0.4447.

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

70.0811, 0.3216, 0.4447

Protanopia

69.4078, 0.3846, 0.4159

Deuteranopia

69.3641, 0.3859, 0.3808



Tritanopia

69.7894, 0.2750, 0.3085

Trichromacy



Original Color

70.0811, 0.3216, 0.4447



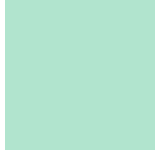
Protanomaly

69.0243, 0.3594, 0.4264



Deuteranomaly

68.6509, 0.3612, 0.4031



Tritanomaly

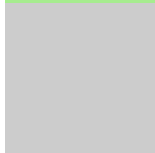
69.2901, 0.2923, 0.3552

Monochromacy



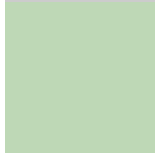
Original Color

70.0811, 0.3216, 0.4447



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.4363, 0.3166, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0811, 0.3216, 0.4447 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(166, 236, 143)` looks like.

```
.text, #text, p{  
    color:rgb(166, 236, 143)  
}
```

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(166, 236, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 236, 143) }
```

Border

The CSS property to change the border of an element to Yxy 70.0811, 0.3216, 0.4447 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(166, 236, 143) }
```

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

```
.border{ border-color:rgb(166, 236, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 236, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 236, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 236, 143);  
box-shadow:4px 4px 4px 4px rgb(166, 236,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0811, 0.3216, 0.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 236, 143) }
```

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

```
.background{ background-color: rgb(166,  
236, 143) }
```

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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