

Converting Colors

Yxy(67.4079, 0.3147, 0.4151)

Have a look what the booklet for
Yxy(67.4079, 0.3147, 0.4151)
contains.

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Color

Yxy(67.7129, 0.3146, 0.4152)

Conversions

Conversions Part 1

Format	Color
Hex	AAE6A1
RGB	170, 230, 161
RGB Percent	67%, 90%, 63%
CMY	0.3333, 0.0980, 0.3688
CMYK	0.26, 0.00, 0.30, 0.10
HSL	112°, 58%, 77%
HSV	112°, 30%, 90%
XYZ	51.3065, 67.7129, 44.0656
YIQ	204.1940, -13.6110, -34.1790

Conversions

Conversions Part 2

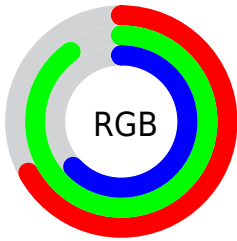
Format	Color
RYB	161, 230, 221
Decimal	11200161
CIELab	85.86, -31.95, 27.69
CIELCh	86, 42.279, 139.088
Yxy	67.7129, 0.3146, 0.4152
Android (android.graphics.Color)	4289390241 (0xFFAAE6A1)
YUV	204.1940, -21.2946, -29.9881
Hunter-Lab	82.2878, -32.7088, 25.8514

Details

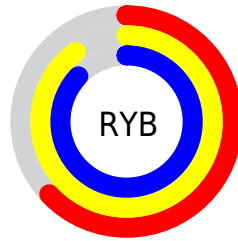
The Yxy color **67.7129, 0.3146, 0.4152** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.5550, 0.3084, 0.2527**, and the grayscale version is **60.6574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6466, 0.3170, 0.3694**, and **35.0892, 0.3133, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **64.9169, 0.3145, 0.4491**, and if you desaturate by 10%, it is **71.0025, 0.3142, 0.3835**.

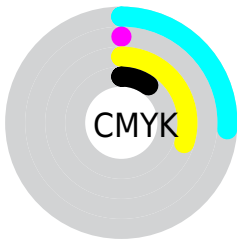
Distribution



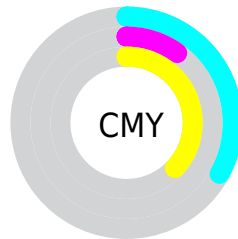
- Red (67%)
- Green (90%)
- Blue (63%)



- Red (63%)
- Yellow (90%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)




- Cyan (33%)
- Magenta (10%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7129, 0.3146, 0.4152 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 67.7129, 0.3146, 0.4152 by changing the saturation by 10% instead.

 67.7129, 0.3146,
0.4152


 67.7129, 0.3146,
0.4152

452.4781, 0.3149,
0.3728

 49.6642, 0.3142,
0.4255


 115.9413, 0.3149,
0.4000

 35.1467, 0.3135,
0.4385


 146.8899, 0.3150,
0.3942

 23.7759, 0.3123,
0.4555


182.9071, 0.3150,
0.3893

 15.1674, 0.3101,
0.4785

224.3775, 0.3150,
0.3851

 8.9370, 0.3058,
0.5111

271.6854, 0.3150,
0.3814

 4.7001, 0.2968,
0.5603

325.2152, 0.3150,

 2.0724, 0.3004,

0.3782

0.6996

385.3513, 0.3149,
0.3754

0.6490, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.7129, 0.3146,
0.4152

67.7129, 0.3146,
0.4152

64.9169, 0.3145,
0.4491

71.0025, 0.3142,
0.3835

62.5825, 0.3139,
0.4839

74.7989, 0.3136,
0.3547

60.6871, 0.3127,
0.5176

79.1255, 0.3127,
0.3290

59.2028, 0.3108,
0.5478

84.0016, 0.3117,
0.3065

■ 58.0986, 0.3084,
0.5720

■ 85.0764, 0.3138,
0.3048

■ 57.3388, 0.3056,
0.5886

■ 56.8747, 0.3030,
0.5976

Harmonies

Analogous

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



67.7129, 0.3650, 0.4228



67.7129, 0.3146, 0.4152



67.7129, 0.2660, 0.3770

Triad

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



67.7129, 0.3146, 0.4152



67.7129, 0.2273, 0.2527



67.7129, 0.4000, 0.3241

Complementary

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



67.7129, 0.3146, 0.4152



46.5550, 0.3084, 0.2527

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.



67.7129, 0.3570, 0.2865



67.7129, 0.3146, 0.4152



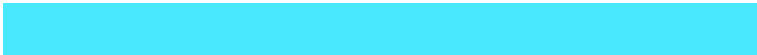
67.7129, 0.2571, 0.2465

Square

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



67.7129, 0.3146, 0.4152



67.7129, 0.2184, 0.2794



67.7129, 0.3038, 0.2589



67.7129, 0.4170, 0.3652

Rectangle

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



67.7129, 0.3146, 0.4152



67.7129, 0.2410, 0.3422



67.7129, 0.3038, 0.2589



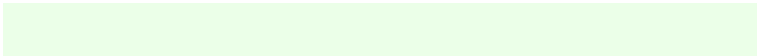
67.7129, 0.3879, 0.3108

Sweetspot

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



67.7158, 0.3146, 0.4152



95.0212, 0.3135, 0.3521



71.0027, 0.3607, 0.3948



20.1773, 0.3136, 0.3560



0.0000, 0.0000, 0.0000



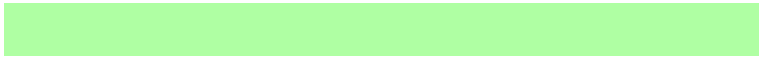
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7158, 0.3146, 0.4152



83.3126, 0.3146, 0.4360



67.7266, 0.2939, 0.3836



16.1792, 0.3135, 0.3532



32.2270, 0.3036, 0.5972



2.4108, 0.3109, 0.5913

Inverse Universe

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



46.5550, 0.3084, 0.2527



52.5341, 0.3071, 0.2368



46.6932, 0.3382, 0.2802



14.5144, 0.3117, 0.3057



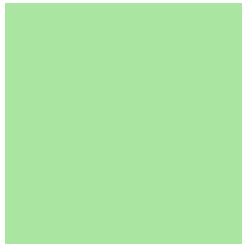
10.2130, 0.2881, 0.1361



0.7815, 0.2932, 0.1389

Previews

White Background



This preview shows how the Yxy color 67.7129, 0.3146, 0.4152 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 67.7129, 0.3146, 0.4152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

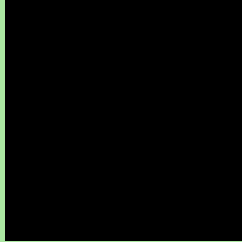
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7129, 0.3146, 0.4152

Background



This preview shows how black text looks on a background with the Yxy color 67.7129, 0.3146, 0.4152.

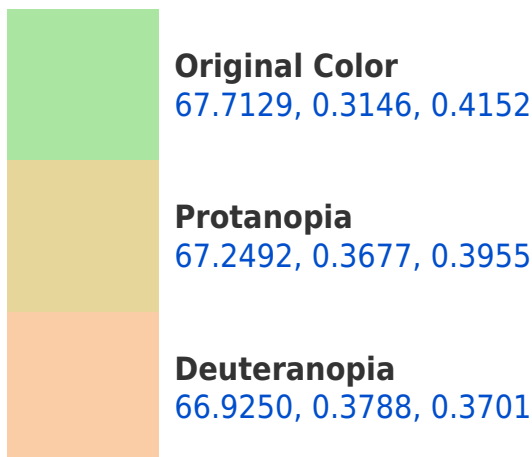


This preview shows how white text looks on a background with the Yxy color 67.7129, 0.3146, 0.4152.

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

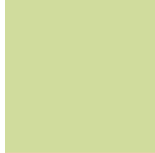
67.4267, 0.2769, 0.3083

Trichromacy



Original Color

67.7129, 0.3146, 0.4152



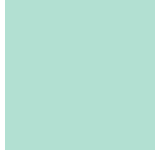
Protanomaly

67.0306, 0.3465, 0.4025



Deuteranomaly

66.3031, 0.3541, 0.3857



Tritanomaly

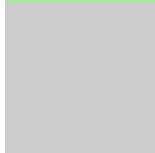
67.4294, 0.2904, 0.3456

Monochromacy



Original Color

67.7129, 0.3146, 0.4152



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.4258, 0.3142, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7129, 0.3146, 0.4152 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(170, 230, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 230, 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(170, 230, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 230, 161) }
```

Border

The CSS property to change the border of an element to Yxy 67.7129, 0.3146, 0.4152 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(170, 230, 161) }
```

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

```
.border{ border-color:rgb(170, 230, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 230, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 230, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 230, 161);  
box-shadow:4px 4px 4px 4px rgb(170, 230,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7129, 0.3146, 0.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 230, 161) }
```

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

```
.background{ background-color: rgb(170,  
230, 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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