

Converting Colors

Yxy(67.6668, 0.3227, 0.4245)

Have a look what the booklet for
Yxy(67.6668, 0.3227, 0.4245)
contains.

Yxy(67.8922, 0.3220, 0.4245)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.8922, 0.3220, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	AEE699
RGB	174, 230, 153
RGB Percent	68%, 90%, 60%
CMY	0.3178, 0.0980, 0.3998
CMYK	0.24, 0.00, 0.33, 0.10
HSL	104°, 61%, 75%
HSV	104°, 33%, 90%
XYZ	51.4989, 67.8922, 40.5434
YIQ	204.4780, -8.6590, -35.8190

Conversions

Conversions Part 2

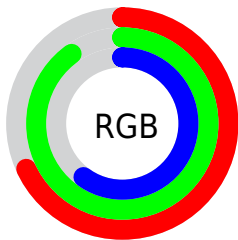
Format	Color
RYB	153, 230, 209
Decimal	11462297
CIELab	85.95, -31.83, 31.89
CIElCh	86, 45.060, 134.941
Yxy	67.8922, 0.3220, 0.4245
Android (android.graphics.Color)	4289652377 (0xFFAEE699)
YUV	204.4780, -25.3787, -26.7292
Hunter-Lab	82.3967, -32.6297, 28.5040

Details

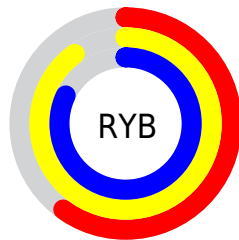
The Yxy color **67.8922, 0.3220, 0.4245** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.0766, 0.2983, 0.2414**, and the grayscale version is **60.8691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0630, 0.3248, 0.3774**, and **35.2048, 0.3226, 0.4501** is the 20% darker color. If you saturate the color by 10%, you get **65.4020, 0.3236, 0.4574**, and if you desaturate by 10%, it is **70.7746, 0.3197, 0.3931**.

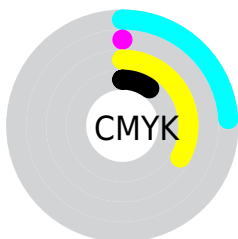
Distribution



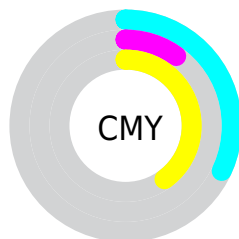
- Red (68%)
- Green (90%)
- Blue (60%)



- Red (60%)
- Yellow (90%)
- Blue (82%)



- Cyan (24%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)





- Cyan (32%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8922, 0.3220, 0.4245 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 67.8922, 0.3220, 0.4245 by changing the saturation by 10% instead.


 67.8922, 0.3220,
0.4245


 67.8922, 0.3220,
0.4245


453.1140, 0.3190,
0.3776

 49.8100, 0.3223,
0.4358


 116.1979, 0.3213,
0.4077

 35.2625, 0.3223,
0.4502


 147.1903, 0.3209,
0.4013

 23.8651, 0.3220,
0.4688


183.2548, 0.3206,
0.3959

 15.2336, 0.3207,
0.4938

224.7759, 0.3202,
0.3912

 8.9835, 0.3174,
0.5289

272.1380, 0.3199,
0.3871

 4.7304, 0.3088,
0.5808


325.7254, 0.3196,

 2.0900, 0.3017,


0.3836


0.6983


385.9226, 0.3193,
0.3804

 0.6590, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.8922, 0.3220,
0.4245

 67.8922, 0.3220,
0.4245

 65.4020, 0.3236,
0.4574


 70.7746, 0.3197,
0.3931


 63.2779, 0.3243,
0.4903

 74.0565, 0.3169,
0.3639

 61.5043, 0.3237,
0.5215

 77.7560, 0.3138,
0.3375

 60.0607, 0.3217,
0.5489

 81.8874, 0.3107,
0.3139

■ 58.9244, 0.3184,
0.5705

■ 85.0791, 0.3138,
0.3049

■ 58.0690, 0.3140,
0.5850

■ 57.6406, 0.3110,
0.5913

Harmonies

Analogous

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



67.8922, 0.3747, 0.4272



67.8922, 0.3220, 0.4245



67.8922, 0.2694, 0.3875

Triad

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



67.8922, 0.3220, 0.4245



67.8922, 0.2196, 0.2506



67.8922, 0.4008, 0.3176

Complementary

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



67.8922, 0.3220, 0.4245



42.0766, 0.2983, 0.2414

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.



67.8922, 0.3521, 0.2791



67.8922, 0.3220, 0.4245



67.8922, 0.2481, 0.2414

Square

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



67.8922, 0.3220, 0.4245



67.8922, 0.2134, 0.2815



67.8922, 0.2955, 0.2520



67.8922, 0.4233, 0.3609

Rectangle

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



67.8922, 0.3220, 0.4245



67.8922, 0.2413, 0.3508



67.8922, 0.2955, 0.2520



67.8922, 0.3867, 0.3039

Sweetspot

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



67.8951, 0.3220, 0.4245



95.1122, 0.3158, 0.3546



64.3360, 0.3704, 0.3907



20.2202, 0.3163, 0.3584



0.0000, 0.0000, 0.0000



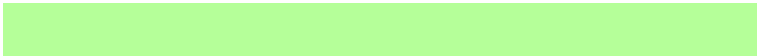
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8951, 0.3220, 0.4245



83.6113, 0.3232, 0.4466



66.2668, 0.2985, 0.4064



16.2777, 0.3156, 0.3530



32.6815, 0.3119, 0.5905



2.4599, 0.3225, 0.5821

Inverse Universe

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



42.0766, 0.2983, 0.2414



46.3770, 0.2944, 0.2231



44.4411, 0.3312, 0.2625



14.4079, 0.3095, 0.3055



7.9779, 0.2532, 0.1168



0.6348, 0.2634, 0.1225

Previews

White Background



This preview shows how the Yxy color 67.8922, 0.3220, 0.4245 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 67.8922, 0.3220, 0.4245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

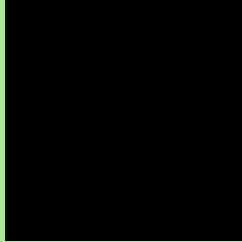
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8922, 0.3220, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 67.8922, 0.3220, 0.4245.

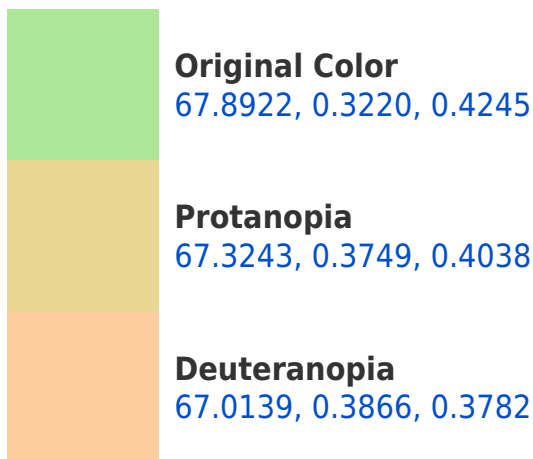


This preview shows how white text looks on a background with the Yxy color 67.8922, 0.3220, 0.4245.

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

67.9922, 0.2806, 0.3096

Trichromacy



Original Color

67.8922, 0.3220, 0.4245



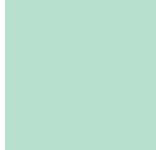
Protanomaly

67.2052, 0.3541, 0.4112



Deuteranomaly

66.3407, 0.3614, 0.3945



Tritanomaly

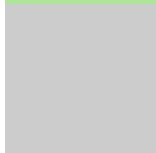
67.8348, 0.2961, 0.3503

Monochromacy



Original Color

67.8922, 0.3220, 0.4245



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.4287, 0.3170, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8922, 0.3220, 0.4245 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(174, 230, 153)` looks like.

```
.text, #text, p{  
    color:rgb(174, 230, 153)  
}
```

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(174, 230, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 230, 153) }
```

Border

The CSS property to change the border of an element to Yxy 67.8922, 0.3220, 0.4245 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(174, 230, 153) }
```

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

```
.border{ border-color:rgb(174, 230, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 230, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 230, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 230, 153);  
box-shadow:4px 4px 4px 4px rgb(174, 230,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8922, 0.3220, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 230, 153) }
```

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

```
.background{ background-color: rgb(174,  
230, 153) }
```

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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