

Converting Colors

$Yxy(66.5252, 0.3302, 0.4436)$

Have a look what the booklet for
Yxy(66.5252, 0.3302, 0.4436)
contains.

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Color

Yxy(66.6154, 0.3302, 0.4439)

Conversions

Conversions Part 1

Format	Color
Hex	ACE589
RGB	172, 229, 137
RGB Percent	67%, 90%, 54%
CMY	0.3253, 0.1020, 0.4629
CMYK	0.25, 0.00, 0.40, 0.10
HSL	97°, 64%, 72%
HSV	97°, 40%, 90%
XYZ	49.5526, 66.6154, 33.9005
YIQ	201.4690, -4.4400, -40.6960

Conversions

Conversions Part 2

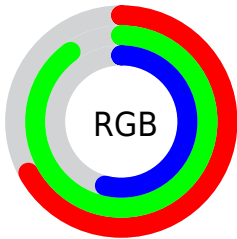
Format	Color
RYB	137, 229, 194
Decimal	11330953
CIELab	85.31, -34.26, 39.12
CIELCh	85, 51.998, 131.211
Yxy	66.6154, 0.3302, 0.4439
Android (android.graphics.Color)	4289521033 (0xFFACE589)
YUV	201.4690, -31.7832, -25.8443
Hunter-Lab	81.6183, -34.4599, 32.5064

Details

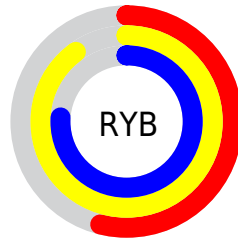
The Yxy color **66.6154, 0.3302, 0.4439** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.9989, 0.2853, 0.2204**, and the grayscale version is **58.9228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9396, 0.3334, 0.3957**, and **34.3249, 0.3313, 0.4754** is the 20% darker color. If you saturate the color by 10%, you get **64.5100, 0.3327, 0.4755**, and if you desaturate by 10%, it is **69.0371, 0.3266, 0.4126**.

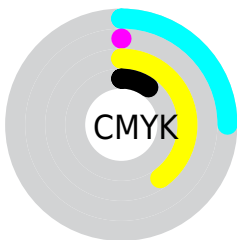
Distribution



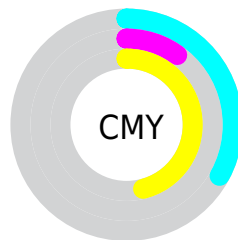
- Red (67%)
- Green (90%)
- Blue (54%)



- Red (54%)
- Yellow (90%)
- Blue (76%)



- Cyan (25%)
- Magenta (0%)
- Yellow (40%)
- Black (10%)





- Cyan (33%)
- Magenta (10%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6154, 0.3302, 0.4439 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 66.6154, 0.3302, 0.4439 by changing the saturation by 10% instead.


 66.6154, 0.3302,
0.4439

 66.6154, 0.3302,
0.4439


448.5746, 0.3241,
0.3872

 48.7721, 0.3309,
0.4576


 114.3691, 0.3286,
0.4236

 34.4388, 0.3315,
0.4748


 145.0484, 0.3278,
0.4159

 23.2309, 0.3314,
0.4970


 180.7752, 0.3270,
0.4093

 14.7641, 0.3300,
0.5266

221.9337, 0.3263,
0.4037

 8.6540, 0.3255,
0.5673

268.9086, 0.3257,
0.3988

 4.5162, 0.3188,
0.6367

322.0841, 0.3251,


 1.9663, 0.2826,


0.3944


0.7174


381.8446, 0.3246,
0.3906


 0.5878, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 66.6154, 0.3302,
0.4439


 66.6154, 0.3302,
0.4439


 64.5100, 0.3327,
0.4755

 69.0371, 0.3266,
0.4126


 62.6979, 0.3338,
0.5060

 71.7796, 0.3223,
0.3826


 61.1666, 0.3331,
0.5334


 74.8583, 0.3176,
0.3548

 59.8987, 0.3306,
0.5561

 78.2847, 0.3128,
0.3295

 58.8745, 0.3264,
0.5727

 82.0700, 0.3080,
0.3066

 58.0771, 0.3211,
0.5832

 84.5177, 0.3139,
0.3039

Harmonies

Analogous

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



66.6154, 0.3899, 0.4401



66.6154, 0.3302, 0.4439



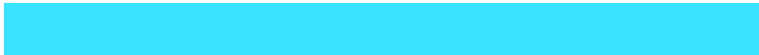
66.6154, 0.2689, 0.4051

Triad

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



66.6154, 0.3302, 0.4439



66.6154, 0.2042, 0.2416



66.6154, 0.4093, 0.3092

Complementary

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



66.6154, 0.3302, 0.4439



34.9989, 0.2853, 0.2204

Split Complementary

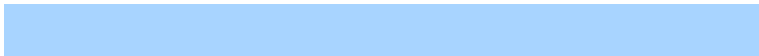
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.6154, 0.3499, 0.2672



66.6154, 0.3302, 0.4439



66.6154, 0.2332, 0.2290

Square

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



66.6154, 0.3302, 0.4439



66.6154, 0.2003, 0.2793



66.6154, 0.2846, 0.2387



66.6154, 0.4399, 0.3578

Rectangle

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



66.6154, 0.3302, 0.4439



66.6154, 0.2355, 0.3624



66.6154, 0.2846, 0.2387



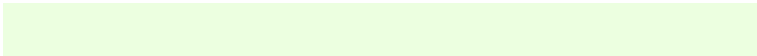
66.6154, 0.3917, 0.2941

Sweetspot

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



66.6183, 0.3302, 0.4439



94.7670, 0.3185, 0.3599



56.9222, 0.3875, 0.3935



20.1705, 0.3192, 0.3635



0.0000, 0.0000, 0.0000



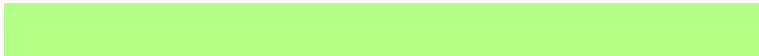
21.4041, 0.3127, 0.3290

Same Dimension

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



66.6183, 0.3302, 0.4439



82.8156, 0.3323, 0.4696



63.4822, 0.3011, 0.4379



16.3555, 0.3173, 0.3529



33.2700, 0.3222, 0.5824



2.5105, 0.3336, 0.5733

Inverse Universe

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



34.9989, 0.2853, 0.2204



37.3469, 0.2779, 0.1977



39.6158, 0.3272, 0.2403



14.3266, 0.3077, 0.3054



6.5799, 0.2276, 0.1027



0.5392, 0.2411, 0.1102

Previews

White Background



This preview shows how the Yxy color 66.6154, 0.3302, 0.4439 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 66.6154, 0.3302, 0.4439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

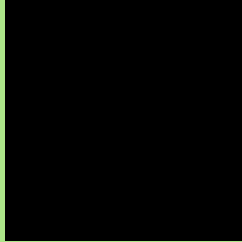
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6154, 0.3302, 0.4439

Background



This preview shows how black text looks on a background with the Yxy color 66.6154, 0.3302, 0.4439.

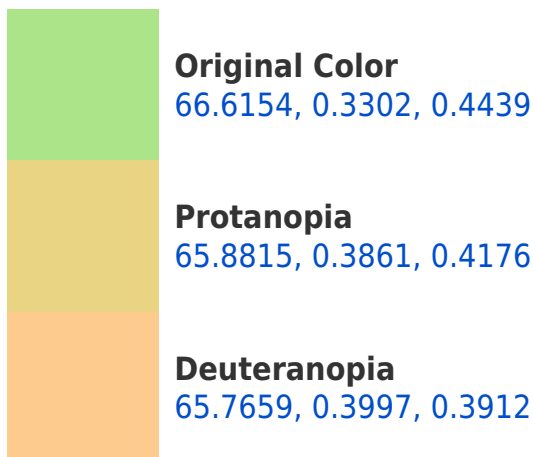


This preview shows how white text looks on a background with the Yxy color 66.6154, 0.3302, 0.4439.

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

66.1887, 0.2809, 0.3083

Trichromacy



Original Color

66.6154, 0.3302, 0.4439



Protanomaly

65.5379, 0.3645, 0.4275



Deuteranomaly

64.8573, 0.3727, 0.4091



Tritanomaly

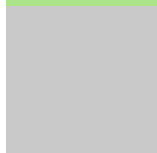
65.7815, 0.2997, 0.3555

Monochromacy



Original Color

66.6154, 0.3302, 0.4439



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.7500, 0.3198, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6154, 0.3302, 0.4439 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(172, 229, 137)` looks like.

```
.text, #text, p{  
    color:rgb(172, 229, 137)  
}
```

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(172, 229, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 229, 137) }
```

Border

The CSS property to change the border of an element to Yxy 66.6154, 0.3302, 0.4439 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(172, 229, 137) }
```

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

```
.border{ border-color:rgb(172, 229, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 229, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 229, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 229, 137);  
box-shadow:4px 4px 4px 4px rgb(172, 229,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6154, 0.3302, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 229, 137) }
```

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

```
.background{ background-color: rgb(172,  
229, 137) }
```

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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