

Converting Colors

$Yxy(65.3054, 0.3308, 0.4445)$

Have a look what the booklet for
Yxy(65.3054, 0.3308, 0.4445)
contains.

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Color

Yxy(65.3454, 0.3310, 0.4447)

Conversions

Conversions Part 1

Format	Color
Hex	ABE387
RGB	171, 227, 135
RGB Percent	67%, 89%, 53%
CMY	0.3293, 0.1098, 0.4707
CMYK	0.25, 0.00, 0.41, 0.11
HSL	96°, 62%, 71%
HSV	96°, 41%, 89%
XYZ	48.6380, 65.3454, 32.9592
YIQ	199.7680, -3.8440, -40.4840

Conversions

Conversions Part 2

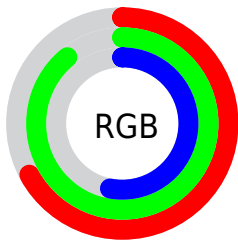
Format	Color
RYB	135, 227, 191
Decimal	11264903
CIELab	84.66, -33.96, 39.27
CIElCh	85, 51.913, 130.852
Yxy	65.3454, 0.3310, 0.4447
Android (android.graphics.Color)	4289454983 (0xFFABE387)
YUV	199.7680, -31.9306, -25.2295
Hunter-Lab	80.8365, -34.0633, 32.4114

Details

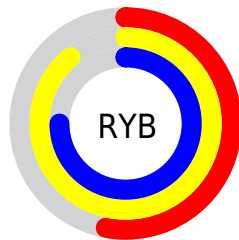
The Yxy color **65.3454, 0.3310, 0.4447** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.9364, 0.2842, 0.2192**, and the grayscale version is **57.8125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6881, 0.3339, 0.3979**, and **33.5478, 0.3325, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **63.3049, 0.3336, 0.4762**, and if you desaturate by 10%, it is **67.6899, 0.3273, 0.4135**.

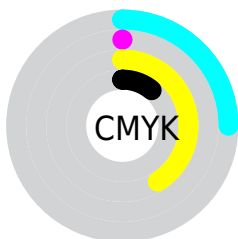
Distribution



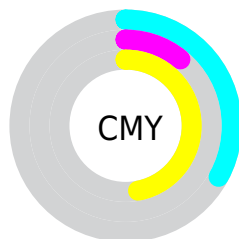
- Red (67%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (75%)



- Cyan (25%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)




- Cyan (33%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3454, 0.3310, 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 65.3454, 0.3310, 0.4447 by changing the saturation by 10% instead.


 65.3454, 0.3310,
0.4447


 65.3454, 0.3310,
0.4447


444.0321, 0.3245,
0.3875


 47.7412, 0.3318,
0.4586


 112.5463, 0.3292,
0.4242

 33.6220, 0.3324,
0.4760


 142.9118, 0.3284,
0.4164

 22.6034, 0.3324,
0.4986


 178.2998, 0.3276,
0.4098

 14.3009, 0.3311,
0.5287

219.0948, 0.3269,
0.4040

 8.3302, 0.3264,
0.5701

265.6811, 0.3262,
0.3991

 4.3070, 0.3212,
0.6448

318.4432, 0.3256,

 1.8467, 0.2788,

0.3947

0.7212

377.7654, 0.3250,
0.3909

■ 0.5160, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3454, 0.3310,
0.4447

■ 65.3454, 0.3310,
0.4447

■ 63.3049, 0.3336,
0.4762

■ 67.6899, 0.3273,
0.4135

■ 61.5462, 0.3348,
0.5063


■ 70.3426, 0.3228,
0.3836

■ 60.0571, 0.3342,
0.5335


■ 73.3183, 0.3180,
0.3557


■ 58.8211, 0.3317,
0.5558

■ 76.6280, 0.3130,
0.3303

 57.8190, 0.3274,
0.5722

 80.2826, 0.3080,
0.3074

 57.0594, 0.3223,
0.5823

 83.2063, 0.3132,
0.3018

 83.4198, 0.3140,
0.3019

Harmonies

Analogous

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



65.3454, 0.3908, 0.4403



65.3454, 0.3310, 0.4447



65.3454, 0.2694, 0.4062

Triad

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



65.3454, 0.3310, 0.4447



65.3454, 0.2036, 0.2415



65.3454, 0.4092, 0.3085

Complementary

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



65.3454, 0.3310, 0.4447



33.9364, 0.2842, 0.2192

Split Complementary

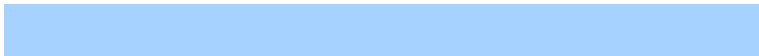
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.3454, 0.3493, 0.2665



65.3454, 0.3310, 0.4447



65.3454, 0.2323, 0.2286

Square

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



65.3454, 0.3310, 0.4447



65.3454, 0.2000, 0.2796



65.3454, 0.2838, 0.2381



65.3454, 0.4403, 0.3572

Rectangle

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



65.3454, 0.3310, 0.4447



65.3454, 0.2357, 0.3634



65.3454, 0.2838, 0.2381



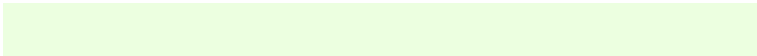
65.3454, 0.3914, 0.2934

Sweetspot

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



65.3482, 0.3310, 0.4447



94.8225, 0.3188, 0.3599



54.9890, 0.3889, 0.3924



20.1835, 0.3194, 0.3634



0.0000, 0.0000, 0.0000



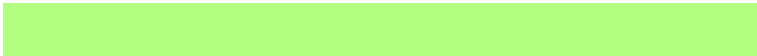
21.4041, 0.3127, 0.3290

Same Dimension

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



65.3482, 0.3310, 0.4447



82.7158, 0.3334, 0.4723



62.1071, 0.3018, 0.4411



16.3631, 0.3175, 0.3529



33.3391, 0.3233, 0.5815



2.5161, 0.3348, 0.5724

Inverse Universe

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



33.9364, 0.2842, 0.2192



36.3287, 0.2758, 0.1945



38.7025, 0.3259, 0.2381



14.3188, 0.3075, 0.3054



6.4593, 0.2252, 0.1014



0.5307, 0.2390, 0.1090

Previews

White Background



This preview shows how the Yxy color 65.3454, 0.3310, 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 65.3454, 0.3310, 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 65.3454, 0.3310, 0.4447

Background



This preview shows how black text looks on a background with the Yxy color 65.3454, 0.3310, 0.4447.



This preview shows how white text looks on a background with the Yxy color 65.3454, 0.3310, 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

65.3454, 0.3310, 0.4447

Protanopia

64.9965, 0.3863, 0.4192

Deuteranopia

64.3918, 0.4005, 0.3917



Tritanopia

64.9232, 0.2813, 0.3082

Trichromacy



Original Color

65.3454, 0.3310, 0.4447



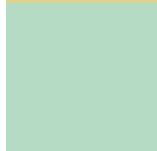
Protanomaly

64.8197, 0.3654, 0.4290



Deuteranomaly

63.6452, 0.3740, 0.4095



Tritanomaly

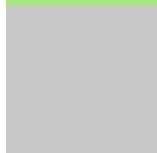
64.5180, 0.3003, 0.3557

Monochromacy



Original Color

65.3454, 0.3310, 0.4447



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.0466, 0.3205, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3454, 0.3310, 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(171, 227, 135)` looks like.

```
.text, #text, p{  
    color:rgb(171, 227, 135)  
}
```

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(171, 227, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 227, 135) }
```

Border

The CSS property to change the border of an element to Yxy 65.3454, 0.3310, 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(171, 227, 135) }
```

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

```
.border{ border-color:rgb(171, 227, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 227, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 227, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 227, 135);  
box-shadow:4px 4px 4px 4px rgb(171, 227,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3454, 0.3310, 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(171, 227, 135) }
```

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

```
.background{ background-color: rgb(171,  
227, 135) }
```

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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