

Converting Colors

Yxy(62.3905, 0.3068, 0.4540)

Have a look what the booklet for
Yxy(62.3905, 0.3068, 0.4540)
contains.

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Color

Yxy(62.3870, 0.3068, 0.4546)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 87E487 |
| RGB | 135, 228, 135 |
| RGB Percent | 53%, 89%, 53% |
| CMY | 0.4707, 0.1058, 0.4706 |
| CMYK | 0.41, 0.00, 0.41, 0.11 |
| HSL | 120°, 63%, 71% |
| HSV | 120°, 41%, 89% |
| XYZ | 42.1037, 62.3870, 32.7443 |
| YIQ | 189.5910, -25.5750, -48.6390 |

Conversions

Conversions Part 2

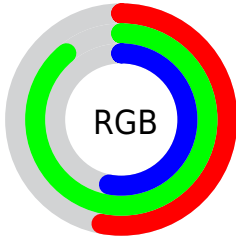
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 135, 228, 228 |
| Decimal | 8905863 |
| CIELab | 83.12, -46.09, 36.90 |
| CIELCh | 83, 59.037, 141.316 |
| Yxy | 62.3870, 0.3068, 0.4546 |
| Android (android.graphics.Color) | 4287095943 (0xFF87E487) |
| YUV | 189.5910, -26.9134, -47.8763 |
| Hunter-Lab | 78.9854, -43.0740, 30.7105 |

Details

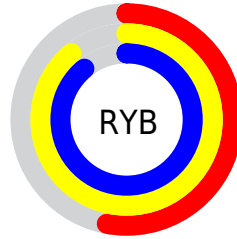
The Yxy color **62.3870, 0.3068, 0.4546** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.4131, 0.3174, 0.2289**, and the grayscale version is **51.4101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4006, 0.3110, 0.4030**, and **31.8074, 0.3017, 0.4903** is the 20% darker color. If you saturate the color by 10%, you get **60.1224, 0.3051, 0.4907**, and if you desaturate by 10%, it is **65.1992, 0.3085, 0.4194**.

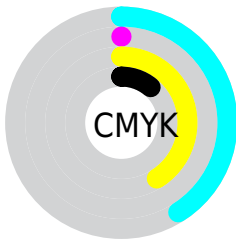
Distribution



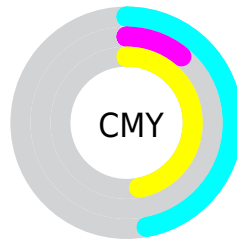
- Red (53%)
- Green (89%)
- Blue (53%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.3870, 0.3068, 0.4546 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 62.3870, 0.3068, 0.4546 by changing the saturation by 10% instead.

 62.3870, 0.3068,
0.4546

 62.3870, 0.3068,
0.4546


433.3413, 0.3121,
0.3910

 45.3455, 0.3048,
0.4705

 108.2847, 0.3093,
0.4314

 31.7296, 0.3018,
0.4908


 137.9096, 0.3100,
0.4227

 21.1551, 0.2971,
0.5175


 172.4978, 0.3106,
0.4154

 13.2374, 0.2894,
0.5540

212.4336, 0.3110,
0.4091

 7.5922, 0.2757,
0.6058

258.1015, 0.3114,
0.4037

 3.8352, 0.2571,
0.7049

309.8858, 0.3117,

 1.5818, 0.1390,

0.3989

0.8610

368.1710, 0.3119,
0.3947

0.3453, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.3870, 0.3068,
0.4546

62.3870, 0.3068,
0.4546

60.1224, 0.3051,
0.4907

65.1992, 0.3085,
0.4194

58.3626, 0.3035,
0.5252


68.5829, 0.3100,
0.3866


57.0711, 0.3021,
0.5555

72.5702, 0.3114,
0.3570


56.2033, 0.3010,
0.5788

77.1884, 0.3126,
0.3310

 55.7058, 0.3003,
0.5934

 82.4633, 0.3137,
0.3083

 55.4927, 0.3000,
0.6000

 83.9725, 0.3139,
0.3029

Harmonies

Analogous

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



62.3870, 0.3781, 0.4643



62.3870, 0.3068, 0.4546



62.3870, 0.2409, 0.3939

Triad

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



62.3870, 0.3068, 0.4546



62.3870, 0.1974, 0.2212



62.3870, 0.4416, 0.3231

Complementary

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



62.3870, 0.3068, 0.4546



39.4131, 0.3174, 0.2289

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.



62.3870, 0.3809, 0.2729



62.3870, 0.3068, 0.4546



62.3870, 0.2385, 0.2167

Square

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



62.3870, 0.3068, 0.4546



62.3870, 0.1833, 0.2529



62.3870, 0.3041, 0.2353



62.3870, 0.4611, 0.3784

Rectangle

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



62.3870, 0.3068, 0.4546



62.3870, 0.2089, 0.3402



62.3870, 0.3041, 0.2353



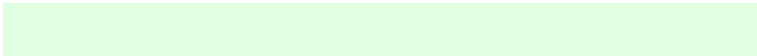
62.3870, 0.4251, 0.3055

Sweetspot

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



62.3896, 0.3068, 0.4546



92.8355, 0.3112, 0.3606



73.7364, 0.3736, 0.4297



19.7192, 0.3111, 0.3643



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.



62.3896, 0.3068, 0.4546



77.8842, 0.3054, 0.4853



63.9965, 0.2812, 0.3902



16.0893, 0.3116, 0.3533



32.0403, 0.3000, 0.6000



2.3677, 0.3000, 0.5999

Inverse Universe

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



39.4131, 0.3174, 0.2289



44.4552, 0.3183, 0.2104



37.1694, 0.3639, 0.2758



14.6152, 0.3138, 0.3059



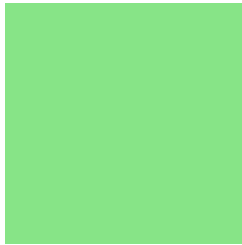
12.7557, 0.3210, 0.1542



0.9426, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 62.3870, 0.3068, 0.4546 looks on a white background.

Color Contrast Check

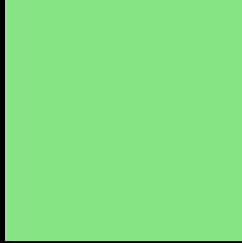
Large Text (above 18pt) WCAG AA × Fail

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 62.3870, 0.3068, 0.4546 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 62.3870, 0.3068, 0.4546

Background



This preview shows how black text looks on a background with the Yxy color 62.3870, 0.3068, 0.4546.



This preview shows how white text looks on a background with the Yxy color 62.3870, 0.3068, 0.4546.

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

62.3870, 0.3068, 0.4546

Protanopia

61.6565, 0.3865, 0.4189

Deuteranopia

61.4783, 0.3966, 0.3879



Tritanopia

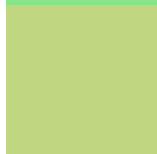
61.9223, 0.2615, 0.3070

Trichromacy



Original Color

62.3870, 0.3068, 0.4546



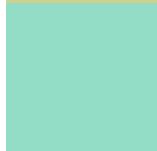
Protanomaly

60.8846, 0.3540, 0.4332



Deuteranomaly

60.0976, 0.3607, 0.4116



Tritanomaly

61.4667, 0.2779, 0.3572

Monochromacy



Original Color

62.3870, 0.3068, 0.4546



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.6341, 0.3106, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3870, 0.3068, 0.4546 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(135, 228, 135)` looks like.

```
.text, #text, p{  
    color:rgb(135, 228, 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(135, 228, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 228, 135) }
```

Border

The CSS property to change the border of an element to Yxy 62.3870, 0.3068, 0.4546 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(135, 228, 135) }
```

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

```
.border{ border-color:rgb(135, 228, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 228, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 228, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 228, 135);  
box-shadow:4px 4px 4px 4px rgb(135, 228,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3870, 0.3068, 0.4546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 228, 135) }
```

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

```
.background{ background-color: rgb(135,  
228, 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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