

Converting Colors

$Y_{xy}(62.9079, 0.31116, 0.4549)$

Have a look what the booklet for
Yxy(62.9079, 0.3116, 0.4549)
contains.

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Color

Yxy(62.8708, 0.3111, 0.4545)

Conversions

Conversions Part 1

Format	Color
Hex	8DE486
RGB	141, 228, 134
RGB Percent	55%, 89%, 53%
CMY	0.4470, 0.1059, 0.4745
CMYK	0.38, 0.00, 0.41, 0.11
HSL	116°, 64%, 71%
HSV	116°, 41%, 89%
XYZ	43.0343, 62.8708, 32.4245
YIQ	191.2710, -21.6780, -47.6780

Conversions

Conversions Part 2

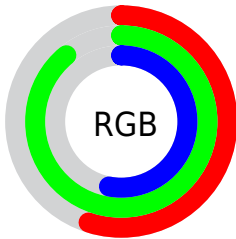
Format	Color
RYB	134, 228, 221
Decimal	9299078
CIELab	83.37, -44.40, 37.78
CIELCh	83, 58.296, 139.606
Yxy	62.8708, 0.3111, 0.4545
Android (android.graphics.Color)	4287489158 (0xFF8DE486)
YUV	191.2710, -28.2346, -44.0877
Hunter-Lab	79.2911, -41.8806, 31.2584

Details

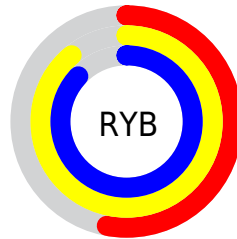
The Yxy color **62.8708, 0.3111, 0.4545** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.0250, 0.3109, 0.2259**, and the grayscale version is **52.4470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1566, 0.3153, 0.4033**, and **32.0609, 0.3066, 0.4900** is the 20% darker color. If you saturate the color by 10%, you get **60.6272, 0.3099, 0.4898**, and if you desaturate by 10%, it is **65.6092, 0.3119, 0.4199**.

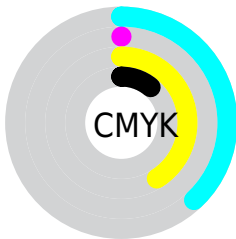
Distribution



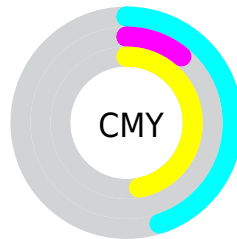
- Red (55%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (87%)



- Cyan (38%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)





- Cyan (45%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8708, 0.3111, 0.4545 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 62.8708, 0.3111, 0.4545 by changing the saturation by 10% instead.


 62.8708, 0.3111,
0.4545

 62.8708, 0.3111,
0.4545


435.1004, 0.3143,
0.3911


 45.7367, 0.3095,
0.4702


 108.9831, 0.3128,
0.4315

 32.0381, 0.3071,
0.4903


 138.7301, 0.3133,
0.4228

 21.3906, 0.3032,
0.5167


 173.4501, 0.3137,
0.4155

 13.4098, 0.2965,
0.5524

213.5277, 0.3139,
0.4092

 7.7113, 0.2840,
0.6030

259.3471, 0.3141,
0.4038

 3.9108, 0.2680,
0.7004

311.2927, 0.3142,

 1.6238, 0.1661,

0.3990

0.8339

369.7491, 0.3143,
0.3949

■ 0.3736, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.8708, 0.3111,
0.4545

■ 62.8708, 0.3111,
0.4545

■ 60.6272, 0.3099,
0.4898

■ 65.6092, 0.3119,
0.4199

■ 58.8414, 0.3084,
0.5238


■ 68.8611, 0.3124,
0.3875


■ 57.4841, 0.3066,
0.5536

■ 72.6536, 0.3127,
0.3581

■ 56.5191, 0.3046,
0.5769

■ 77.0100, 0.3127,
0.3320

 55.9043, 0.3027,
0.5920

 81.9519, 0.3126,
0.3091

 55.6064, 0.3013,
0.5989

 83.9671, 0.3139,
0.3029

Harmonies

Analogous

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



62.8708, 0.3811, 0.4613



62.8708, 0.3111, 0.4545



62.8708, 0.2453, 0.3971

Triad

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



62.8708, 0.3111, 0.4545



62.8708, 0.1973, 0.2237



62.8708, 0.4372, 0.3203

Complementary

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



62.8708, 0.3111, 0.4545



38.0250, 0.3109, 0.2259

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.



62.8708, 0.3757, 0.2712



62.8708, 0.3111, 0.4545



62.8708, 0.2366, 0.2177

Square

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



62.8708, 0.3111, 0.4545



62.8708, 0.1850, 0.2568



62.8708, 0.3001, 0.2349



62.8708, 0.4591, 0.3749

Rectangle

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



62.8708, 0.3111, 0.4545



62.8708, 0.2126, 0.3446



62.8708, 0.3001, 0.2349



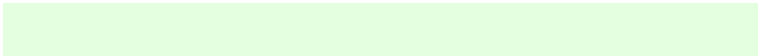
62.8708, 0.4202, 0.3030

Sweetspot

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



62.8735, 0.3111, 0.4545



93.2029, 0.3127, 0.3604



69.4903, 0.3774, 0.4234



19.8047, 0.3126, 0.3641



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.



62.8735, 0.3111, 0.4545



78.6541, 0.3102, 0.4831



63.5802, 0.2853, 0.4018



16.1402, 0.3127, 0.3532



32.1281, 0.3017, 0.5987



2.3922, 0.3063, 0.5950

Inverse Universe

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



38.0250, 0.3109, 0.2259



42.7332, 0.3101, 0.2073



37.2144, 0.3561, 0.2667



14.5576, 0.3126, 0.3058



11.2534, 0.3023, 0.1439



0.8480, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 62.8708, 0.3111, 0.4545 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 62.8708, 0.3111, 0.4545 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 62.8708, 0.3111, 0.4545

Background



This preview shows how black text looks on a background with the Yxy color 62.8708, 0.3111, 0.4545.

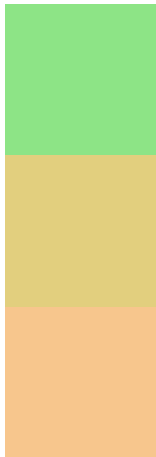


This preview shows how white text looks on a background with the Yxy color 62.8708, 0.3111, 0.4545.

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

62.8708, 0.3111, 0.4545

Protanopia

62.3008, 0.3869, 0.4196

Deuteranopia

62.0854, 0.3978, 0.3898



Tritanopia

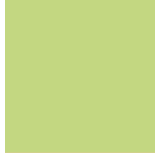
62.5258, 0.2649, 0.3073

Trichromacy



Original Color

62.8708, 0.3111, 0.4545



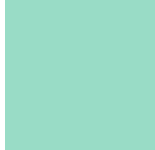
Protanomaly

61.7880, 0.3561, 0.4334



Deuteranomaly

60.8458, 0.3627, 0.4133



Tritanomaly

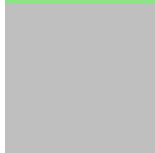
62.0359, 0.2815, 0.3570

Monochromacy



Original Color

62.8708, 0.3111, 0.4545



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.9722, 0.3129, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8708, 0.3111, 0.4545 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(141, 228, 134)` looks like.

```
.text, #text, p{  
    color:rgb(141, 228, 134)  
}
```

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(141, 228, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 228, 134) }
```

Border

The CSS property to change the border of an element to Yxy 62.8708, 0.3111, 0.4545 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(141, 228, 134) }
```

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

```
.border{ border-color:rgb(141, 228, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 228, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 228, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 228, 134);  
box-shadow:4px 4px 4px 4px rgb(141, 228,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8708, 0.3111, 0.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 228, 134) }
```

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

```
.background{ background-color: rgb(141,  
228, 134) }
```

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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