

Converting Colors

$Yxy(62.7758, 0.3007, 0.4421)$

Have a look what the booklet for
Yxy(62.7758, 0.3007, 0.4421)
contains.

Yxy(62.5995, 0.3008, 0.4411)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.5995, 0.3008, 0.4411)

Conversions

Conversions Part 1

Format	Color
Hex	86E491
RGB	134, 228, 145
RGB Percent	53%, 89%, 57%
CMY	0.4745, 0.1059, 0.4313
CMYK	0.41, 0.00, 0.36, 0.11
HSL	127°, 64%, 71%
HSV	127°, 41%, 89%
XYZ	42.6886, 62.5995, 36.6287
YIQ	190.4320, -29.3810, -45.7410

Conversions

Conversions Part 2

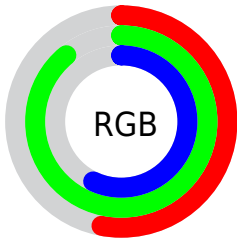
Format	Color
RYB	134, 218, 228
Decimal	8840337
CIELab	83.23, -44.81, 31.99
CIELCh	83, 55.060, 144.477
Yxy	62.5995, 0.3008, 0.4411
Android (android.graphics.Color)	4287030417 (0xFF86E491)
YUV	190.4320, -22.3980, -49.4909
Hunter-Lab	79.1198, -42.1513, 27.9354

Details

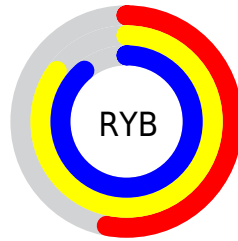
The Yxy color **62.5995, 0.3008, 0.4411** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.5580, 0.3277, 0.2382**, and the grayscale version is **51.9032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7665, 0.3045, 0.3904**, and **31.9329, 0.2948, 0.4727** is the 20% darker color. If you saturate the color by 10%, you get **60.3589, 0.2985, 0.4738**, and if you desaturate by 10%, it is **65.3592, 0.3035, 0.4097**.

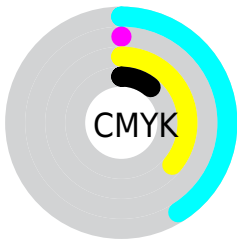
Distribution



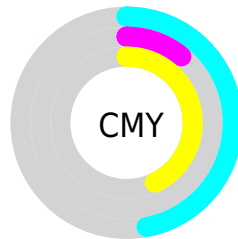
- Red (53%)
- Green (89%)
- Blue (57%)



- Red (53%)
- Yellow (85%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (36%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.5995, 0.3008, 0.4411 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 62.5995, 0.3008, 0.4411 by changing the saturation by 10% instead.


 62.5995, 0.3008,
0.4411


 62.5995, 0.3008,
0.4411


434.1145, 0.3084,
0.3844


 45.5173, 0.2984,
0.4553


 108.5915, 0.3039,
0.4205

 31.8651, 0.2951,
0.4734


 138.2701, 0.3050,
0.4127

 21.2585, 0.2902,
0.4974


 172.9162, 0.3059,
0.4062

 13.3131, 0.2825,
0.5304

212.9144, 0.3066,
0.4006

 7.6445, 0.2697,
0.5781

258.6489, 0.3072,
0.3957

 3.8683, 0.2478,
0.6566

310.5041, 0.3076,

 1.6002, 0.1571,

0.3915

0.8429

368.8646, 0.3081,
0.3878

0.3577, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.5995, 0.3008,
0.4411

62.5995, 0.3008,
0.4411

60.3589, 0.2985,
0.4738

65.3592, 0.3035,
0.4097

58.5976, 0.2967,
0.5063


68.6594, 0.3065,
0.3808

57.2825, 0.2958,
0.5364


72.5298, 0.3095,
0.3547

56.3730, 0.2959,
0.5621

76.9956, 0.3124,
0.3316

 55.8211, 0.2968,
0.5814

 82.0806, 0.3151,
0.3115

 55.5653, 0.2979,
0.5925

 83.9676, 0.3139,
0.3029

Harmonies

Analogous

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



62.5995, 0.3680, 0.4563



62.5995, 0.3008, 0.4411



62.5995, 0.2404, 0.3816

Triad

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



62.5995, 0.3008, 0.4411



62.5995, 0.2071, 0.2262



62.5995, 0.4368, 0.3296

Complementary

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



62.5995, 0.3008, 0.4411



38.5580, 0.3277, 0.2382

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.



62.5995, 0.3836, 0.2811



62.5995, 0.3008, 0.4411



62.5995, 0.2488, 0.2240

Square

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



62.5995, 0.3008, 0.4411



62.5995, 0.1910, 0.2538



62.5995, 0.3124, 0.2438



62.5995, 0.4508, 0.3820

Rectangle

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



62.5995, 0.3008, 0.4411



62.5995, 0.2117, 0.3321



62.5995, 0.3124, 0.2438



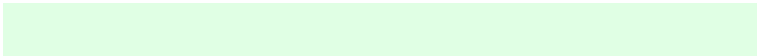
62.5995, 0.4227, 0.3126

Sweetspot

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



62.6021, 0.3008, 0.4411



93.0318, 0.3092, 0.3568



71.9665, 0.3657, 0.4338



19.7649, 0.3088, 0.3601



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.



62.6021, 0.3008, 0.4411



78.3043, 0.2989, 0.4675



64.3617, 0.2750, 0.3758



16.1165, 0.3100, 0.3504



32.0939, 0.2975, 0.5911



2.3807, 0.2921, 0.5717

Inverse Universe

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



38.5580, 0.3277, 0.2382



43.5517, 0.3312, 0.2219



36.4525, 0.3768, 0.2875



14.5846, 0.3156, 0.3085



11.9790, 0.3527, 0.1717



0.8935, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 62.5995, 0.3008, 0.4411 looks on a white background.

Color Contrast Check

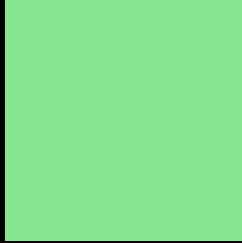
Large Text (above 18pt) WCAG AA × Fail

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 62.5995, 0.3008, 0.4411 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 62.5995, 0.3008, 0.4411

Background



This preview shows how black text looks on a background with the Yxy color 62.5995, 0.3008, 0.4411.



This preview shows how white text looks on a background with the Yxy color 62.5995, 0.3008, 0.4411.

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

62.5995, 0.3008, 0.4411

Protanopia

61.7675, 0.3786, 0.4085

Deuteranopia

61.8883, 0.3866, 0.3788



Tritanopia

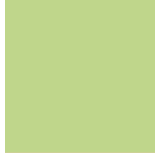
62.3962, 0.2606, 0.3071

Trichromacy



Original Color

62.5995, 0.3008, 0.4411



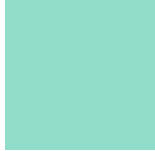
Protanomaly

61.0336, 0.3467, 0.4215



Deuteranomaly

60.6082, 0.3517, 0.4012



Tritanomaly

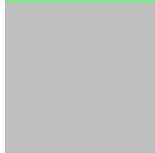
62.0882, 0.2752, 0.3532

Monochromacy



Original Color

62.5995, 0.3008, 0.4411



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.7878, 0.3079, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5995, 0.3008, 0.4411 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(134, 228, 145)` looks like.

```
.text, #text, p{  
    color:rgb(134, 228, 145)  
}
```

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(134, 228, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 228, 145) }
```

Border

The CSS property to change the border of an element to Yxy 62.5995, 0.3008, 0.4411 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(134, 228, 145) }
```

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

```
.border{ border-color:rgb(134, 228, 145) }
```

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

Here you see how a box with a 4 pixel rgb(134, 228, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 228, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 228, 145);  
box-shadow:4px 4px 4px 4px rgb(134, 228,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5995, 0.3008, 0.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 228, 145) }
```

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

```
.background{ background-color: rgb(134,  
228, 145) }
```

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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