

Converting Colors

Yxy(64.0270, 0.3306, 0.4565)

Have a look what the booklet for
Yxy(64.0270, 0.3306, 0.4565)
contains.

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Color

Yxy(63.8175, 0.3307, 0.4555)

Conversions

Conversions Part 1

Format	Color
Hex	A4E27F
RGB	164, 226, 127
RGB Percent	64%, 89%, 50%
CMY	0.3570, 0.1137, 0.5020
CMYK	0.27, 0.00, 0.44, 0.11
HSL	98°, 63%, 69%
HSV	98°, 44%, 89%
XYZ	46.3325, 63.8175, 29.9543
YIQ	196.1760, -5.1730, -43.9330

Conversions

Conversions Part 2

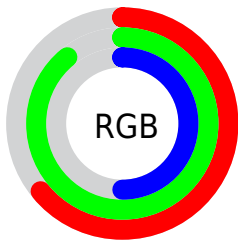
Format	Color
RYB	127, 226, 189
Decimal	10805887
CIELab	83.87, -36.97, 42.12
CIELCh	84, 56.040, 131.278
Yxy	63.8175, 0.3307, 0.4555
Android (android.graphics.Color)	4288995967 (0xFFA4E27F)
YUV	196.1760, -34.1038, -28.2184
Hunter-Lab	79.8859, -36.2732, 33.6885

Details

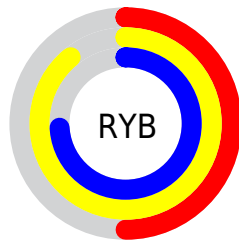
The Yxy color **63.8175, 0.3307, 0.4555** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.4947, 0.2828, 0.2105**, and the grayscale version is **55.5220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2283, 0.3339, 0.4076**, and **32.5225, 0.3308, 0.4893** is the 20% darker color. If you saturate the color by 10%, you get **61.8721, 0.3326, 0.4870**, and if you desaturate by 10%, it is **66.0684, 0.3276, 0.4238**.

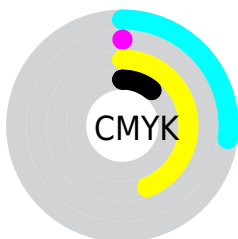
Distribution



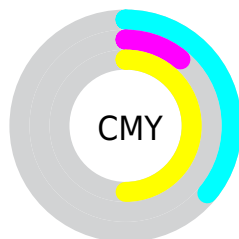
- Red (64%)
- Green (89%)
- Blue (50%)



- Red (50%)
- Yellow (89%)
- Blue (74%)



- Cyan (27%)
- Magenta (0%)
- Yellow (44%)
- Black (11%)





- Cyan (36%)
- Magenta (11%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8175, 0.3307, 0.4555 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 63.8175, 0.3307, 0.4555 by changing the saturation by 10% instead.


 63.8175, 0.3307,
0.4555


 63.8175, 0.3307,
0.4555


438.5303, 0.3248,
0.3925

 46.5029, 0.3312,
0.4708


 110.3481, 0.3293,
0.4328

 32.6428, 0.3313,
0.4902


 140.3328, 0.3285,
0.4243

 21.8530, 0.3305,
0.5151


 175.3097, 0.3278,
0.4170

 13.7489, 0.3278,
0.5484

215.6631, 0.3271,
0.4107

 7.9462, 0.3204,
0.5938

261.7775, 0.3264,
0.4052

 4.0606, 0.3149,
0.6851

314.0372, 0.3258,

 1.7075, 0.2460,

0.4005

0.7540

372.8267, 0.3253,
0.3963

0.4285, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8175, 0.3307,
0.4555

63.8175, 0.3307,
0.4555

61.8721, 0.3326,
0.4870

66.0684, 0.3276,
0.4238

60.2094, 0.3330,
0.5166

68.6298, 0.3236,
0.3933


58.8164, 0.3317,
0.5427


71.5170, 0.3192,
0.3646

57.6754, 0.3285,
0.5633

74.7417, 0.3145,
0.3383

 56.7658, 0.3237,
0.5776

 78.3149, 0.3098,
0.3146

 56.3014, 0.3203,
0.5839

 81.7476, 0.3099,
0.3006

 82.8784, 0.3140,
0.3009

Harmonies

Analogous

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



63.8175, 0.3957, 0.4498



63.8175, 0.3307, 0.4555



63.8175, 0.2644, 0.4128

Triad

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



63.8175, 0.3307, 0.4555



63.8175, 0.1957, 0.2340



63.8175, 0.4185, 0.3070

Complementary

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



63.8175, 0.3307, 0.4555



31.4947, 0.2828, 0.2105

Split Complementary

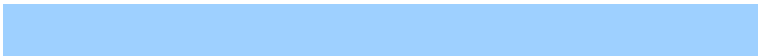
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.8175, 0.3532, 0.2622



63.8175, 0.3307, 0.4555



63.8175, 0.2265, 0.2210

Square

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



63.8175, 0.3307, 0.4555



63.8175, 0.1912, 0.2740



63.8175, 0.2820, 0.2317



63.8175, 0.4516, 0.3591

Rectangle

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



63.8175, 0.3307, 0.4555



63.8175, 0.2285, 0.3652



63.8175, 0.2820, 0.2317



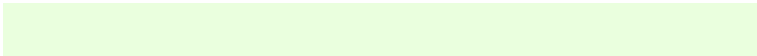
63.8175, 0.3991, 0.2909

Sweetspot

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



63.8203, 0.3307, 0.4555



94.3170, 0.3189, 0.3626



53.6936, 0.3954, 0.3991



19.9976, 0.3199, 0.3688



0.0000, 0.0000, 0.0000



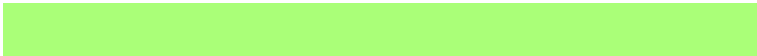
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8203, 0.3307, 0.4555



81.4536, 0.3326, 0.4856



60.7616, 0.3002, 0.4495



15.5853, 0.3172, 0.3528



32.1789, 0.3214, 0.5830



2.2804, 0.3336, 0.5734

Inverse Universe

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



31.4947, 0.2828, 0.2105



33.5300, 0.2739, 0.1845



36.2281, 0.3287, 0.2328



13.6666, 0.3079, 0.3055



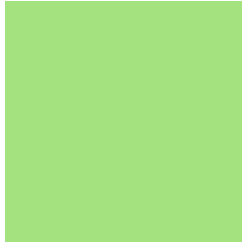
6.4637, 0.2294, 0.1038



0.4986, 0.2435, 0.1115

Previews

White Background



This preview shows how the Yxy color 63.8175, 0.3307, 0.4555 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 63.8175, 0.3307, 0.4555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

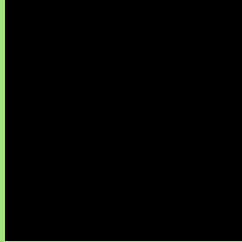
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8175, 0.3307, 0.4555

Background



This preview shows how black text looks on a background with the Yxy color 63.8175, 0.3307, 0.4555.

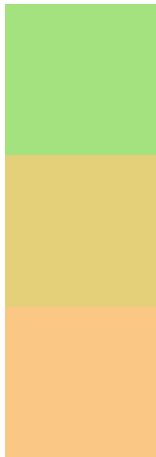


This preview shows how white text looks on a background with the Yxy color 63.8175, 0.3307, 0.4555.

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

63.8175, 0.3307, 0.4555

Protanopia

62.9862, 0.3914, 0.4251

Deuteranopia

63.0495, 0.4067, 0.3979



Tritanopia

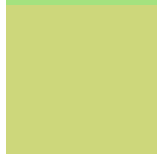
63.5660, 0.2785, 0.3090

Trichromacy



Original Color

63.8175, 0.3307, 0.4555



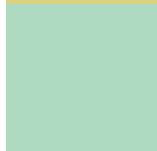
Protanomaly

63.0101, 0.3680, 0.4371



Deuteranomaly

62.2997, 0.3767, 0.4183



Tritanomaly

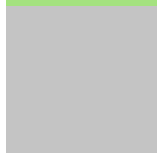
62.9917, 0.2980, 0.3599

Monochromacy



Original Color

63.8175, 0.3307, 0.4555



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.7563, 0.3204, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8175, 0.3307, 0.4555 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(164, 226, 127)` looks like.

```
.text, #text, p{  
    color:rgb(164, 226, 127)  
}
```

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(164, 226, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 226, 127) }
```

Border

The CSS property to change the border of an element to Yxy 63.8175, 0.3307, 0.4555 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(164, 226, 127) }
```

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

```
.border{ border-color:rgb(164, 226, 127) }
```

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

Here you see how a box with a 4 pixel rgb(164, 226, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 226, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 226, 127);  
box-shadow:4px 4px 4px 4px rgb(164, 226,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8175, 0.3307, 0.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 226, 127) }
```

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

```
.background{ background-color: rgb(164,  
226, 127) }
```

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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