

Converting Colors

Yxy(67.6181, 0.3080, 0.4134)

Have a look what the booklet for
Yxy(67.6181, 0.3080, 0.4134)
contains.

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Color

Yxy(67.6187, 0.3081, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	A3E7A4
RGB	163, 231, 164
RGB Percent	64%, 91%, 64%
CMY	0.3608, 0.0941, 0.3568
CMYK	0.29, 0.00, 0.29, 0.09
HSL	121°, 59%, 77%
HSV	121°, 29%, 91%
XYZ	50.3829, 67.6187, 45.5261
YIQ	203.0300, -19.0210, -35.2530

Conversions

Conversions Part 2

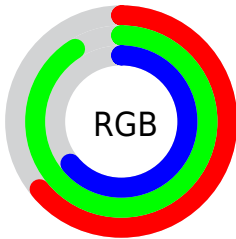
Format	Color
RYB	163, 230, 231
Decimal	10741668
CIELab	85.82, -34.20, 25.99
CIELCh	86, 42.959, 142.771
Yxy	67.6187, 0.3081, 0.4135
Android (android.graphics.Color)	4288931748 (0xFFA3E7A4)
YUV	203.0300, -19.2418, -35.1063
Hunter-Lab	82.2306, -34.5362, 24.7361

Details

The Yxy color **67.6187, 0.3081, 0.4135** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.8983, 0.3170, 0.2569**, and the grayscale version is **59.8758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6945, 0.3109, 0.3667**, and **35.0810, 0.3053, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **64.6516, 0.3063, 0.4480**, and if you desaturate by 10%, it is **71.1840, 0.3098, 0.3816**.

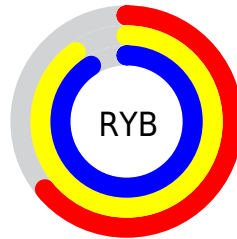
Distribution



Red (64%)

Green (91%)

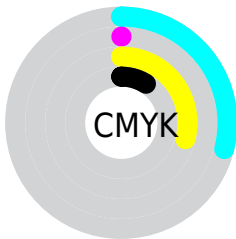
Blue (64%)



Red (64%)

Yellow (90%)

Blue (91%)

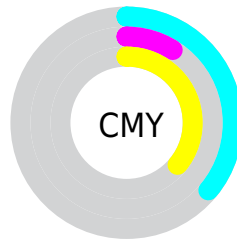


Cyan (29%)

Magenta (0%)

Yellow (29%)

Black (9%)



Cyan (36%)


Magenta (9%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6187, 0.3081, 0.4135 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 67.6187, 0.3081, 0.4135 by changing the saturation by 10% instead.


 67.6187, 0.3081,
0.4135


 67.6187, 0.3081,
0.4135

452.1439, 0.3114,
0.3719

 49.5876, 0.3070,
0.4236


 115.8065, 0.3095,
0.3985

 35.0858, 0.3055,
0.4365


 146.7320, 0.3100,
0.3929

 23.7290, 0.3032,
0.4533


182.7244, 0.3103,
0.3881

 15.1327, 0.2997,
0.4762

224.1681, 0.3106,
0.3839

 8.9126, 0.2937,
0.5088

271.4475, 0.3109,
0.3803

 4.6842, 0.2824,
0.5586


324.9470, 0.3111,

 2.0632, 0.2781,


0.3772


0.6920


385.0510, 0.3112,
0.3744


 0.6438, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.6187, 0.3081,
0.4135

 67.6187, 0.3081,
0.4135


 64.6516, 0.3063,
0.4480


 71.1840, 0.3098,
0.3816

 62.2419, 0.3045,
0.4837

 75.3686, 0.3114,
0.3529

 60.3575, 0.3029,
0.5185

 80.2031, 0.3128,
0.3277

 58.9591, 0.3015,
0.5496

 85.6334, 0.3138,
0.3058

■ 58.0022, 0.3005,
0.5743

■ 57.4340, 0.3000,
0.5908

■ 57.1722, 0.2998,
0.5990

■ 57.1610, 0.2998,
0.5993

Harmonies

Analogous

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



67.6187, 0.3599, 0.4252



67.6187, 0.3081, 0.4135



67.6187, 0.2600, 0.3716

Triad

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



67.6187, 0.3081, 0.4135



67.6187, 0.2286, 0.2496



67.6187, 0.4052, 0.3290

Complementary

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



67.6187, 0.3081, 0.4135



48.8983, 0.3170, 0.2569

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.



67.6187, 0.3640, 0.2901



67.6187, 0.3081, 0.4135



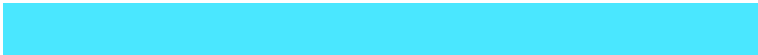
67.6187, 0.2613, 0.2459

Square

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



67.6187, 0.3081, 0.4135



67.6187, 0.2169, 0.2741



67.6187, 0.3102, 0.2605



67.6187, 0.4187, 0.3707

Rectangle

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



67.6187, 0.3081, 0.4135



67.6187, 0.2362, 0.3357



67.6187, 0.3102, 0.2605



67.6187, 0.3940, 0.3154

Sweetspot

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



67.6216, 0.3081, 0.4135



94.5327, 0.3114, 0.3518



76.7874, 0.3571, 0.4024



20.0582, 0.3112, 0.3558



0.0000, 0.0000, 0.0000



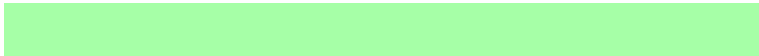
21.4041, 0.3127, 0.3290

Same Dimension

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



67.6216, 0.3081, 0.4135



82.3930, 0.3071, 0.4331



68.9720, 0.2890, 0.3707



16.0926, 0.3114, 0.3529



32.0460, 0.2997, 0.5990



2.3693, 0.2990, 0.5962

Inverse Universe

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



48.8983, 0.3170, 0.2569



55.5763, 0.3178, 0.2431



47.2171, 0.3458, 0.2909



14.6113, 0.3140, 0.3062



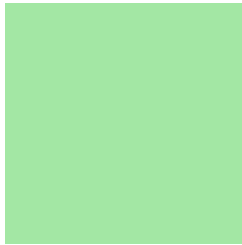
12.6525, 0.3247, 0.1562



0.9362, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 67.6187, 0.3081, 0.4135 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 67.6187, 0.3081, 0.4135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

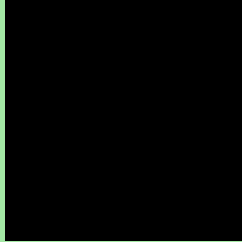
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6187, 0.3081, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 67.6187, 0.3081, 0.4135.

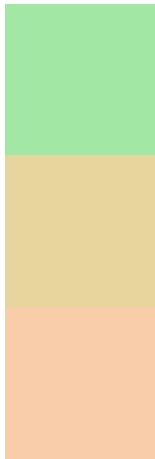


This preview shows how white text looks on a background with the Yxy color 67.6187, 0.3081, 0.4135.

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

67.6187, 0.3081, 0.4135

Protanopia

66.8118, 0.3666, 0.3923

Deuteranopia

66.7047, 0.3741, 0.3662



Tritanopia

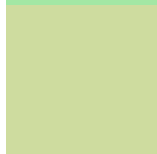
67.2920, 0.2728, 0.3082

Trichromacy



Original Color

67.6187, 0.3081, 0.4135



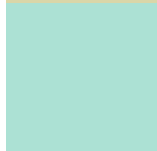
Protanomaly

66.8114, 0.3436, 0.4006



Deuteranomaly

65.8257, 0.3481, 0.3817



Tritanomaly

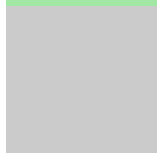
67.3745, 0.2855, 0.3445

Monochromacy



Original Color

67.6187, 0.3081, 0.4135



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.9540, 0.3106, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6187, 0.3081, 0.4135 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(163, 231, 164)` looks like.

```
.text, #text, p{  
    color:rgb(163, 231, 164)  
}
```

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(163, 231, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 231, 164) }
```

Border

The CSS property to change the border of an element to Yxy 67.6187, 0.3081, 0.4135 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(163, 231, 164) }
```

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

```
.border{ border-color:rgb(163, 231, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 231, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 231, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 231, 164);  
box-shadow:4px 4px 4px 4px rgb(163, 231,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6187, 0.3081, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 231, 164) }
```

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

```
.background{ background-color: rgb(163,  
231, 164) }
```

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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