

Converting Colors

$Yxy(66.1073, 0.3026, 0.3864)$

Have a look what the booklet for
Yxy(66.1073, 0.3026, 0.3864)
contains.

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Color

Yxy(66.1230, 0.3027, 0.3864)

Conversions

Conversions Part 1

Format	Color
Hex	A9E2B4
RGB	169, 226, 180
RGB Percent	66%, 89%, 71%
CMY	0.3371, 0.1137, 0.2942
CMYK	0.25, 0.00, 0.20, 0.11
HSL	132°, 50%, 77%
HSV	132°, 25%, 89%
XYZ	51.7998, 66.1230, 53.2030
YIQ	203.7130, -19.2060, -26.3900

Conversions

Conversions Part 2

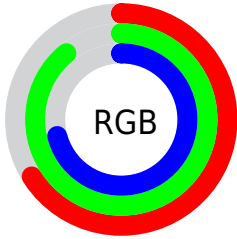
Format	Color
R _{YB}	169, 217, 226
Decimal	11133620
CIE _{Lab}	85.06, -27.19, 16.71
CIE _{LCh}	85, 31.913, 148.419
Yxy	66.1230, 0.3027, 0.3864
Android (android.graphics.Color)	4289323700 (0xFFA9E2B4)
YUV	203.7130, -11.6905, -30.4433
Hunter-Lab	81.3161, -28.5954, 18.1293

Details

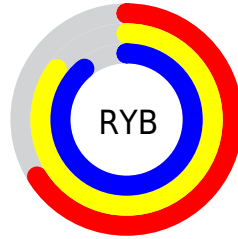
The Yxy color **66.1230, 0.3027, 0.3864** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.4645, 0.3247, 0.2777**, and the grayscale version is **60.2813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5837, 0.3051, 0.3484**, and **33.9948, 0.3000, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **63.1423, 0.2990, 0.4138**, and if you desaturate by 10%, it is **69.6393, 0.3067, 0.3616**.

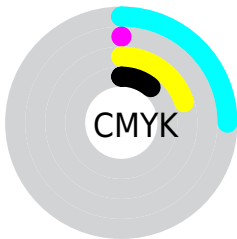
Distribution



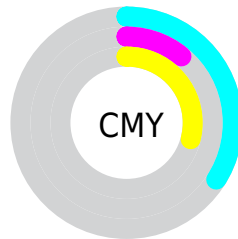
- Red (66%)
- Green (89%)
- Blue (71%)



- Red (66%)
- Yellow (85%)
- Blue (89%)



- Cyan (25%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)





- Cyan (34%)
- Magenta (11%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1230, 0.3027, 0.3864 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 66.1230, 0.3027, 0.3864 by changing the saturation by 10% instead.


 66.1230, 0.3027,
0.3864

 66.1230, 0.3027,
0.3864

446.8166, 0.3079,
0.3583

 48.3723, 0.3013,
0.3932

 113.6629, 0.3047,
0.3763

 34.1218, 0.2995,
0.4019


144.2208, 0.3054,
0.3725

 22.9872, 0.2971,
0.4131


179.8165, 0.3060,
0.3693

 14.5840, 0.2937,
0.4285

220.8345, 0.3065,
0.3665

 8.5280, 0.2884,
0.4507

267.6591, 0.3069,
0.3640

 4.4346, 0.2795,
0.4850

320.6747, 0.3073,

 1.9195, 0.2646,

0.3619

0.5501

380.2658, 0.3076,
0.3600

■ 0.5601, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1230, 0.3027,
0.3864

■ 66.1230, 0.3027,
0.3864

■ 63.1423, 0.2990,
0.4138

■ 69.6393, 0.3067,
0.3616

■ 60.6628, 0.2957,
0.4431

■ 73.7070, 0.3107,
0.3395

■ 58.6591, 0.2931,
0.4736

■ 78.3517, 0.3146,
0.3200

■ 57.1001, 0.2916,
0.5039

■ 82.7449, 0.3153,
0.3028

■ 55.9509, 0.2912,
0.5321

■ 82.8729, 0.3140,
0.3009

■ 55.1713, 0.2921,
0.5566

■ 54.7126, 0.2942,
0.5757

■ 54.5706, 0.2953,
0.5829

Harmonies

Analogous

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



66.1230, 0.3422, 0.4004



66.1230, 0.3027, 0.3864



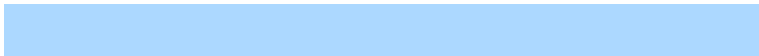
66.1230, 0.2674, 0.3535

Triad

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



66.1230, 0.3027, 0.3864



66.1230, 0.2521, 0.2668



66.1230, 0.3854, 0.3362

Complementary

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



66.1230, 0.3027, 0.3864



49.4645, 0.3247, 0.2777

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.



66.1230, 0.3582, 0.3048



66.1230, 0.3027, 0.3864



66.1230, 0.2803, 0.2661

Square

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



66.1230, 0.3027, 0.3864



66.1230, 0.2396, 0.2835



66.1230, 0.3190, 0.2799



66.1230, 0.3914, 0.3678

Rectangle

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



66.1230, 0.3027, 0.3864



66.1230, 0.2507, 0.3274



66.1230, 0.3190, 0.2799



66.1230, 0.3783, 0.3254

Sweetspot

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



66.1258, 0.3027, 0.3864



95.3179, 0.3095, 0.3455



71.7899, 0.3428, 0.3935



20.2252, 0.3089, 0.3488



0.0000, 0.0000, 0.0000



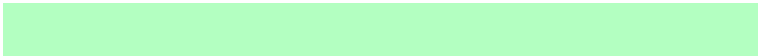
21.4041, 0.3127, 0.3290

Same Dimension

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



66.1258, 0.3027, 0.3864



84.9038, 0.3008, 0.3998



67.3833, 0.2860, 0.3508



15.3801, 0.3090, 0.3485



31.1456, 0.2947, 0.5808



2.1713, 0.2870, 0.5532

Inverse Universe

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



49.4645, 0.3247, 0.2777



59.6087, 0.3276, 0.2673



48.1467, 0.3492, 0.3083



13.8881, 0.3167, 0.3103



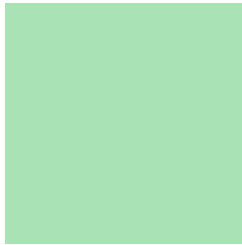
11.1809, 0.3762, 0.1846



0.7868, 0.3661, 0.1791

Previews

White Background



This preview shows how the Yxy color 66.1230, 0.3027, 0.3864 looks on a white background.

Color Contrast Check

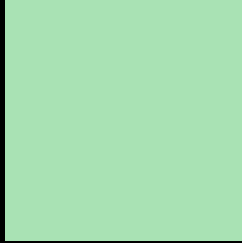
Large Text (above 18pt) WCAG AA × Fail

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 66.1230, 0.3027, 0.3864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

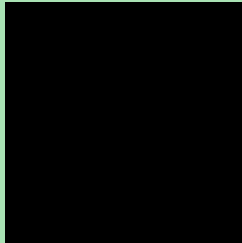
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

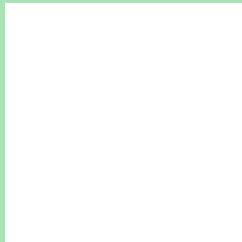
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.1230, 0.3027, 0.3864

Background



This preview shows how black text looks on a background with the Yxy color 66.1230, 0.3027, 0.3864.



This preview shows how white text looks on a background with the Yxy color 66.1230, 0.3027, 0.3864.

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

66.1230, 0.3027, 0.3864

Protanopia

65.4530, 0.3500, 0.3720

Deuteranopia

65.5658, 0.3571, 0.3496



Tritanopia

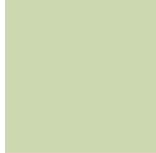
65.7826, 0.2754, 0.3081

Trichromacy



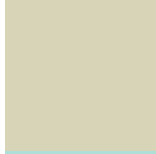
Original Color

66.1230, 0.3027, 0.3864



Protanomaly

65.0837, 0.3312, 0.3762



Deuteranomaly

64.9529, 0.3354, 0.3624



Tritanomaly

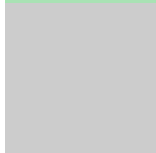
65.7847, 0.2847, 0.3349

Monochromacy



Original Color

66.1230, 0.3027, 0.3864



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.1035, 0.3088, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1230, 0.3027, 0.3864 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(169, 226, 180)` looks like.

```
.text, #text, p{  
    color:rgb(169, 226, 180)  
}
```

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(169, 226, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 226, 180) }
```

Border

The CSS property to change the border of an element to Yxy 66.1230, 0.3027, 0.3864 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(169, 226, 180) }
```

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

```
.border{ border-color:rgb(169, 226, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 226, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 226, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 226, 180);  
box-shadow:4px 4px 4px 4px rgb(169, 226,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1230, 0.3027, 0.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 226, 180) }
```

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

```
.background{ background-color: rgb(169,  
226, 180) }
```

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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