

Converting Colors

$Yxy(67.9268, 0.3038, 0.4074)$

Have a look what the booklet for
Yxy(67.9268, 0.3038, 0.4074)
contains.

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Color

Yxy(68.1549, 0.3039, 0.4084)

Conversions

Conversions Part 1

Format	Color
Hex	A1E8A9
RGB	161, 232, 169
RGB Percent	63%, 91%, 66%
CMY	0.3686, 0.0902, 0.3373
CMYK	0.31, 0.00, 0.27, 0.09
HSL	127°, 61%, 77%
HSV	127°, 31%, 91%
XYZ	50.7157, 68.1549, 48.0122
YIQ	203.5890, -22.0930, -34.6450

Conversions

Conversions Part 2

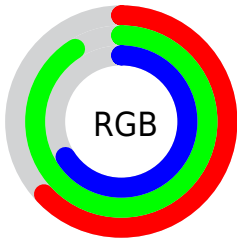
Format	Color
RYB	161, 225, 232
Decimal	10610857
CIELab	86.08, -34.47, 23.78
CIElCh	86, 41.878, 145.402
Yxy	68.1549, 0.3039, 0.4084
Android (android.graphics.Color)	4288800937 (0xFFA1E8A9)
YUV	203.5890, -17.0524, -37.3506
Hunter-Lab	82.5560, -34.8171, 23.3078

Details

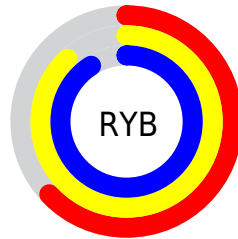
The Yxy color **68.1549, 0.3039, 0.4084** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.0311, 0.3230, 0.2608**, and the grayscale version is **60.2322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6535, 0.3069, 0.3614**, and **35.4608, 0.3001, 0.4292** is the 20% darker color. If you saturate the color by 10%, you get **65.2534, 0.3012, 0.4398**, and if you desaturate by 10%, it is **71.6312, 0.3068, 0.3794**.

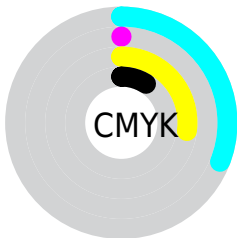
Distribution



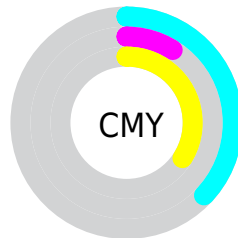
- Red (63%)
- Green (91%)
- Blue (66%)



- Red (63%)
- Yellow (88%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)





- Cyan (37%)
- Magenta (9%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1549, 0.3039, 0.4084 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 68.1549, 0.3039, 0.4084 by changing the saturation by 10% instead.

 68.1549, 0.3039,
0.4084

 68.1549, 0.3039,
0.4084


454.0446, 0.3090,
0.3694

 50.0238, 0.3024,
0.4179


 116.5737, 0.3059,
0.3944

 35.4323, 0.3005,
0.4299


 147.6302, 0.3066,
0.3891

 23.9961, 0.2977,
0.4457


183.7639, 0.3072,
0.3846

 15.3307, 0.2935,
0.4671

225.3592, 0.3077,
0.3807

 9.0518, 0.2869,
0.4977

272.8005, 0.3081,
0.3773

 4.7750, 0.2751,
0.5447

326.4723, 0.3084,

 2.1159, 0.2624,

0.3743

386.7589, 0.3088,
0.3717

0.6524

0.6735, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.1549, 0.3039,
0.4084

68.1549, 0.3039,
0.4084

65.2534, 0.3012,
0.4398

71.6312, 0.3068,
0.3794

62.8875, 0.2988,
0.4727

75.7017, 0.3097,
0.3533

61.0268, 0.2971,
0.5053

80.3957, 0.3125,
0.3303

59.6342, 0.2961,
0.5358

85.7379, 0.3152,
0.3102

■ 58.6677, 0.2961,
0.5617

■ 86.1960, 0.3138,
0.3068

■ 58.0772, 0.2969,
0.5813

■ 57.7910, 0.2981,
0.5931

Harmonies

Analogous

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



68.1549, 0.3546, 0.4227



68.1549, 0.3039, 0.4084



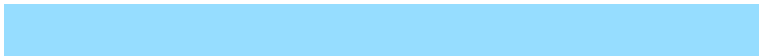
68.1549, 0.2579, 0.3660

Triad

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



68.1549, 0.3039, 0.4084



68.1549, 0.2328, 0.2506



68.1549, 0.4050, 0.3327

Complementary

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



68.1549, 0.3039, 0.4084



48.0311, 0.3230, 0.2608

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.



68.1549, 0.3669, 0.2941



68.1549, 0.3039, 0.4084



68.1549, 0.2663, 0.2485

Square

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



68.1549, 0.3039, 0.4084



68.1549, 0.2194, 0.2727



68.1549, 0.3149, 0.2643



68.1549, 0.4154, 0.3732

Rectangle

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



68.1549, 0.3039, 0.4084



68.1549, 0.2357, 0.3311



68.1549, 0.3149, 0.2643



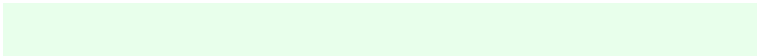
68.1549, 0.3949, 0.3193

Sweetspot

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



68.1578, 0.3039, 0.4084



94.6610, 0.3102, 0.3495



76.2816, 0.3536, 0.4067



20.0895, 0.3097, 0.3531



0.0000, 0.0000, 0.0000



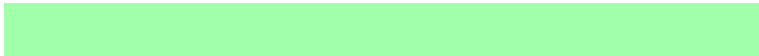
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1578, 0.3039, 0.4084



82.0110, 0.3021, 0.4289



69.6343, 0.2841, 0.3636



16.1154, 0.3100, 0.3505



32.0909, 0.2977, 0.5916



2.3802, 0.2924, 0.5728

Inverse Universe

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



48.0311, 0.3230, 0.2608



53.1829, 0.3256, 0.2463



46.3399, 0.3542, 0.2970



14.5858, 0.3155, 0.3084



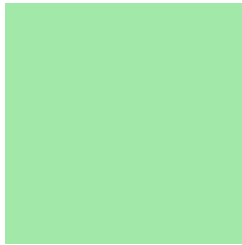
12.0076, 0.3514, 0.1709



0.8953, 0.3463, 0.1682

Previews

White Background



This preview shows how the Yxy color 68.1549, 0.3039, 0.4084 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 68.1549, 0.3039, 0.4084 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 68.1549, 0.3039, 0.4084

Background



This preview shows how black text looks on a background with the Yxy color 68.1549, 0.3039, 0.4084.



This preview shows how white text looks on a background with the Yxy color 68.1549, 0.3039, 0.4084.

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

68.1549, 0.3039, 0.4084

Protanopia

67.4893, 0.3627, 0.3878

Deuteranopia

67.3775, 0.3699, 0.3619



Tritanopia

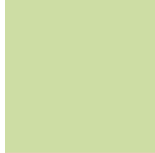
68.1249, 0.2701, 0.3082

Trichromacy



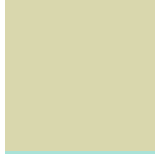
Original Color

68.1549, 0.3039, 0.4084



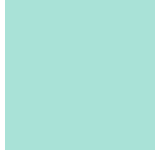
Protanomaly

67.3724, 0.3392, 0.3959



Deuteranomaly

66.3697, 0.3435, 0.3771



Tritanomaly

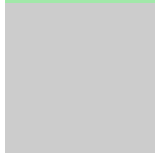
67.7340, 0.2820, 0.3421

Monochromacy



Original Color

68.1549, 0.3039, 0.4084



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.5461, 0.3092, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1549, 0.3039, 0.4084 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(161, 232, 169)` looks like.

```
.text, #text, p{  
    color:rgb(161, 232, 169)  
}
```

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(161, 232, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 232, 169) }
```

Border

The CSS property to change the border of an element to Yxy 68.1549, 0.3039, 0.4084 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(161, 232, 169) }
```

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

```
.border{ border-color:rgb(161, 232, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 232, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 232, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 232, 169); box-shadow:4px 4px 4px 4px rgb(161, 232, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1549, 0.3039, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 232, 169) }
```

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

```
.background{ background-color: rgb(161,  
232, 169) }
```

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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