

Converting Colors

$Yxy(65.2001, 0.3068, 0.4366)$

Have a look what the booklet for
Yxy(65.2001, 0.3068, 0.4366)
contains.

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Color

Yxy(64.9348, 0.3071, 0.4365)

Conversions

Conversions Part 1

Format	Color
Hex	93E694
RGB	147, 230, 148
RGB Percent	58%, 90%, 58%
CMY	0.4232, 0.0981, 0.4196
CMYK	0.36, 0.00, 0.36, 0.10
HSL	121°, 62%, 74%
HSV	121°, 36%, 90%
XYZ	45.6849, 64.9348, 38.1427
YIQ	195.8350, -23.1460, -43.0980

Conversions

Conversions Part 2

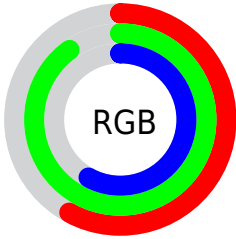
Format	Color
RYB	147, 229, 230
Decimal	9692820
CIELab	84.45, -41.31, 32.20
CIElCh	84, 52.378, 142.062
Yxy	64.9348, 0.3071, 0.4365
Android (android.graphics.Color)	4287882900 (0xFF93E694)
YUV	195.8350, -23.5827, -42.8283
Hunter-Lab	80.5821, -39.8206, 28.3432

Details

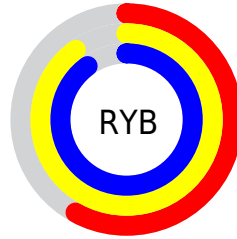
The Yxy color **64.9348, 0.3071, 0.4365** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.3742, 0.3177, 0.2408**, and the grayscale version is **55.2635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6692, 0.3107, 0.3856**, and **33.3919, 0.3033, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **62.3674, 0.3053, 0.4721**, and if you desaturate by 10%, it is **68.0743, 0.3088, 0.4026**.

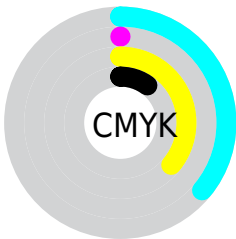
Distribution



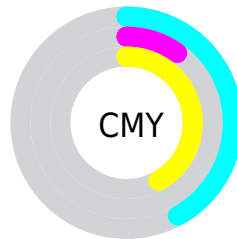
- Red (58%)
- Green (90%)
- Blue (58%)



- Red (58%)
- Yellow (90%)
- Blue (90%)



- Cyan (36%)
- Magenta (0%)
- Yellow (36%)
- Black (10%)





- Cyan (42%)
- Magenta (10%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9348, 0.3071, 0.4365 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 64.9348, 0.3071, 0.4365 by changing the saturation by 10% instead.


 64.9348, 0.3071,
0.4365


 64.9348, 0.3071,
0.4365


442.5576, 0.3116,
0.3827

 47.4082, 0.3055,
0.4498


 111.9561, 0.3091,
0.4170

 33.3585, 0.3032,
0.4667


 142.2196, 0.3097,
0.4097

 22.4012, 0.2997,
0.4890


177.4976, 0.3102,
0.4035

 14.1520, 0.2941,
0.5193

218.1744, 0.3106,
0.3981

 8.2265, 0.2843,
0.5627

264.6344, 0.3109,
0.3935

 4.2402, 0.2662,
0.6304

317.2620, 0.3112,

 1.8088, 0.2206,

0.3895

0.7794

376.4416, 0.3114,
0.3859

■ 0.4927, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9348, 0.3071,
0.4365

■ 64.9348, 0.3071,
0.4365

■ 62.3674, 0.3053,
0.4721

■ 68.0743, 0.3088,
0.4026

■ 60.3300, 0.3036,
0.5075

■ 71.8086, 0.3104,
0.3716

■ 58.7881, 0.3021,
0.5402

■ 76.1693, 0.3119,
0.3440

■ 57.6993, 0.3010,
0.5673

■ 81.1832, 0.3132,
0.3199

■ 57.0147, 0.3003,
0.5866

■ 85.0691, 0.3138,
0.3048

■ 56.6732, 0.3000,
0.5971

■ 56.5947, 0.2999,
0.5995

Harmonies

Analogous

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



64.9348, 0.3703, 0.4479



64.9348, 0.3071, 0.4365



64.9348, 0.2487, 0.3837

Triad

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



64.9348, 0.3071, 0.4365



64.9348, 0.2105, 0.2329



64.9348, 0.4264, 0.3262

Complementary

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



64.9348, 0.3071, 0.4365



43.3742, 0.3177, 0.2408

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.



64.9348, 0.3743, 0.2804



64.9348, 0.3071, 0.4365



64.9348, 0.2485, 0.2288

Square

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



64.9348, 0.3071, 0.4365



64.9348, 0.1972, 0.2616



64.9348, 0.3073, 0.2460



64.9348, 0.4432, 0.3760

Rectangle

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



64.9348, 0.3071, 0.4365



64.9348, 0.2201, 0.3378



64.9348, 0.3073, 0.2460



64.9348, 0.4123, 0.3101

Sweetspot

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



64.9375, 0.3071, 0.4365



93.4033, 0.3112, 0.3574



75.5198, 0.3669, 0.4185



19.8330, 0.3110, 0.3612



0.0000, 0.0000, 0.0000



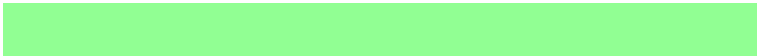
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9375, 0.3071, 0.4365



79.6648, 0.3058, 0.4620



66.4533, 0.2843, 0.3819



16.0918, 0.3114, 0.3530



32.0445, 0.2998, 0.5993



2.3689, 0.2992, 0.5972

Inverse Universe

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



43.3742, 0.3177, 0.2408



48.7594, 0.3187, 0.2243



41.3672, 0.3559, 0.2820



14.6123, 0.3140, 0.3061



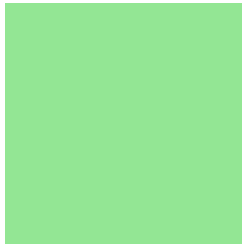
12.6791, 0.3237, 0.1557



0.9378, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 64.9348, 0.3071, 0.4365 looks on a white background.

Color Contrast Check

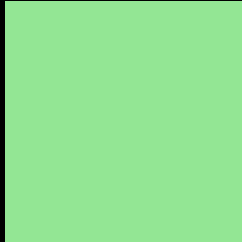
Large Text (above 18pt) WCAG AA × Fail

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 64.9348, 0.3071, 0.4365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

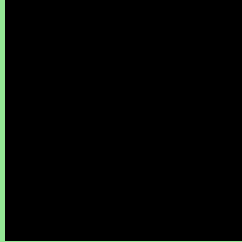
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9348, 0.3071, 0.4365

Background



This preview shows how black text looks on a background with the Yxy color 64.9348, 0.3071, 0.4365.



This preview shows how white text looks on a background with the Yxy color 64.9348, 0.3071, 0.4365.

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

64.9348, 0.3071, 0.4365

Protanopia

64.3175, 0.3766, 0.4074

Deuteranopia

64.0628, 0.3872, 0.3791



Tritanopia

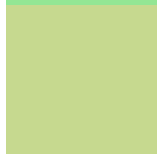
64.6700, 0.2660, 0.3076

Trichromacy



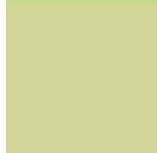
Original Color

64.9348, 0.3071, 0.4365



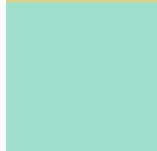
Protanomaly

63.6146, 0.3487, 0.4181



Deuteranomaly

63.2028, 0.3544, 0.3994



Tritanomaly

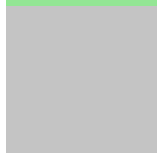
64.4522, 0.2808, 0.3513

Monochromacy



Original Color

64.9348, 0.3071, 0.4365



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.8314, 0.3102, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9348, 0.3071, 0.4365 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(147, 230, 148)` looks like.

```
.text, #text, p{  
    color:rgb(147, 230, 148)  
}
```

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(147, 230, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 230, 148) }
```

Border

The CSS property to change the border of an element to Yxy 64.9348, 0.3071, 0.4365 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(147, 230, 148) }
```

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

```
.border{ border-color:rgb(147, 230, 148) }
```

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

Here you see how a box with a 4 pixel rgb(147, 230, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 230, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 230, 148);  
box-shadow:4px 4px 4px 4px rgb(147, 230,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9348, 0.3071, 0.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 230, 148) }
```

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

```
.background{ background-color: rgb(147,  
230, 148) }
```

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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