

Converting Colors

Yxy(64.0658, 0.3108, 0.4011)

Have a look what the booklet for
Yxy(64.0658, 0.3108, 0.4011)
contains.

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Color

Yxy(63.9635, 0.3114, 0.4013)

Conversions

Conversions Part 1

Format	Color
Hex	A9DFA6
RGB	169, 223, 166
RGB Percent	66%, 87%, 65%
CMY	0.3372, 0.1255, 0.3491
CMYK	0.24, 0.00, 0.26, 0.13
HSL	117°, 47%, 76%
HSV	117°, 26%, 87%
XYZ	49.6343, 63.9635, 45.7930
YIQ	200.3560, -13.8870, -29.1750

Conversions

Conversions Part 2

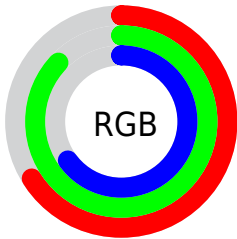
Format	Color
RYB	166, 223, 220
Decimal	11132838
CIELab	83.95, -28.16, 22.48
CIELCh	84, 36.034, 141.408
Yxy	63.9635, 0.3114, 0.4013
Android (android.graphics.Color)	4289322918 (0xFFA9DFA6)
YUV	200.3560, -16.9375, -27.4992
Hunter-Lab	79.9772, -29.1820, 22.0360

Details

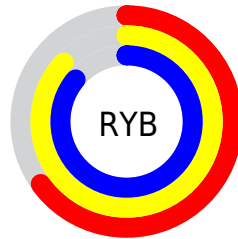
The Yxy color **63.9635, 0.3114, 0.4013** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.7989, 0.3131, 0.2651**, and the grayscale version is **58.1054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7480, 0.3135, 0.3641**, and **32.9332, 0.3101, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **61.0681, 0.3105, 0.4349**, and if you desaturate by 10%, it is **67.3831, 0.3121, 0.3705**.

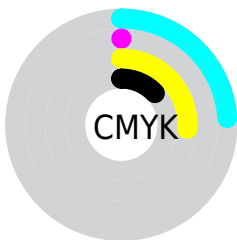
Distribution



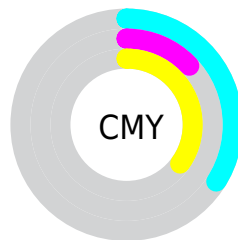
- Red (66%)
- Green (87%)
- Blue (65%)



- Red (65%)
- Yellow (87%)
- Blue (86%)



- Cyan (24%)
- Magenta (0%)
- Yellow (26%)
- Black (13%)




- Cyan (34%)
- Magenta (13%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9635, 0.3114, 0.4013 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 63.9635, 0.3114, 0.4013 by changing the saturation by 10% instead.

 63.9635, 0.3114,
0.4013


 63.9635, 0.3114,
0.4013

439.0578, 0.3128,
0.3656

 46.6211, 0.3108,
0.4101


 110.5584, 0.3121,
0.3884

 32.7362, 0.3100,
0.4212


 140.5796, 0.3123,
0.3836

 21.9245, 0.3086,
0.4358


175.5960, 0.3125,
0.3794

 13.8014, 0.3064,
0.4558

215.9918, 0.3126,
0.3759

 7.9827, 0.3025,
0.4846

262.1515, 0.3127,
0.3728

 4.0839, 0.2944,
0.5294

314.4595, 0.3127,

 1.7206, 0.2988,

0.3701

0.6592

373.3001, 0.3128,
0.3677

0.4369, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.9635, 0.3114,
0.4013

63.9635, 0.3114,
0.4013

61.0681, 0.3105,
0.4349

67.3831, 0.3121,
0.3705

58.6634, 0.3093,
0.4703

71.3424, 0.3125,
0.3429

56.7245, 0.3079,
0.5054

75.8662, 0.3128,
0.3187

55.2213, 0.3062,
0.5381

80.9643, 0.3131,
0.2979

■ 54.1200, 0.3045,
0.5654

■ 81.2564, 0.3142,
0.2980

■ 53.3819, 0.3028,
0.5851

■ 52.9604, 0.3013,
0.5963

■ 52.8540, 0.3009,
0.5993

Harmonies

Analogous

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



63.9635, 0.3557, 0.4107



63.9635, 0.3114, 0.4013



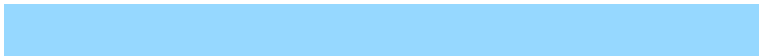
63.9635, 0.2694, 0.3672

Triad

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



63.9635, 0.3114, 0.4013



63.9635, 0.2391, 0.2612



63.9635, 0.3905, 0.3281

Complementary

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



63.9635, 0.3114, 0.4013



47.7989, 0.3131, 0.2651

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.



63.9635, 0.3548, 0.2941



63.9635, 0.3114, 0.4013



63.9635, 0.2669, 0.2566

Square

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



63.9635, 0.3114, 0.4013



63.9635, 0.2297, 0.2838



63.9635, 0.3088, 0.2687



63.9635, 0.4034, 0.3644

Rectangle

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



63.9635, 0.3114, 0.4013



63.9635, 0.2480, 0.3373



63.9635, 0.3088, 0.2687



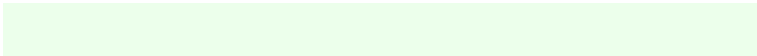
63.9635, 0.3806, 0.3161

Sweetspot

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



63.9662, 0.3114, 0.4013



95.2751, 0.3124, 0.3494



69.2080, 0.3522, 0.3888



20.2145, 0.3124, 0.3535



0.0000, 0.0000, 0.0000



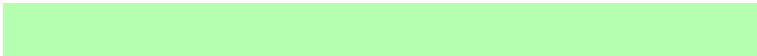
21.4041, 0.3127, 0.3290

Same Dimension

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



63.9662, 0.3114, 0.4013



84.3772, 0.3109, 0.4200



64.6283, 0.2942, 0.3694



15.3720, 0.3124, 0.3532



31.0918, 0.3012, 0.5990



2.1676, 0.3047, 0.5962

Inverse Universe

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



47.7989, 0.3131, 0.2651



58.7181, 0.3130, 0.2509



47.0418, 0.3369, 0.2919



13.8963, 0.3129, 0.3058



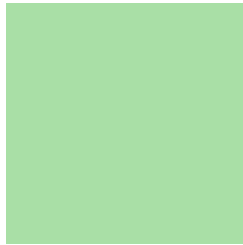
11.2981, 0.3076, 0.1468



0.7947, 0.3098, 0.1480

Previews

White Background



This preview shows how the Yxy color 63.9635, 0.3114, 0.4013 looks on a white background.

Color Contrast Check

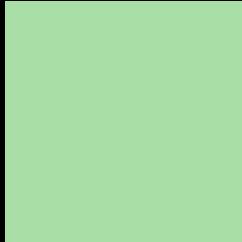
Large Text (above 18pt) WCAG AA × Fail

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 63.9635, 0.3114, 0.4013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

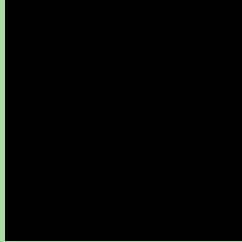
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

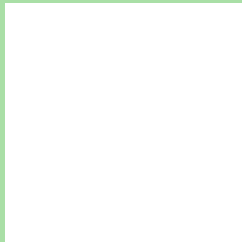
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9635, 0.3114, 0.4013

Background



This preview shows how black text looks on a background with the Yxy color 63.9635, 0.3114, 0.4013.



This preview shows how white text looks on a background with the Yxy color 63.9635, 0.3114, 0.4013.

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

63.9635, 0.3114, 0.4013

Protanopia

63.3029, 0.3603, 0.3849

Deuteranopia

63.5908, 0.3689, 0.3617



Tritanopia

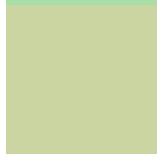
63.5660, 0.2785, 0.3090

Trichromacy



Original Color

63.9635, 0.3114, 0.4013



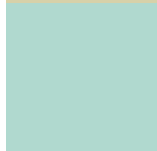
Protanomaly

62.8936, 0.3407, 0.3900



Deuteranomaly

62.9126, 0.3461, 0.3755



Tritanomaly

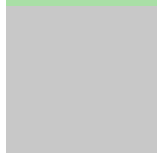
63.3608, 0.2906, 0.3411

Monochromacy



Original Color

63.9635, 0.3114, 0.4013



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.5614, 0.3123, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9635, 0.3114, 0.4013 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, 223, 166)` looks like.

```
.text, #text, p{  
    color:rgb(169, 223, 166)  
}
```

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, 223, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 223, 166) }
```

Border

The CSS property to change the border of an element to Yxy 63.9635, 0.3114, 0.4013 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, 223, 166) }
```

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

```
.border{ border-color:rgb(169, 223, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 223, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 223, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 223, 166);  
box-shadow:4px 4px 4px 4px rgb(169, 223,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9635, 0.3114, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 223, 166) }
```

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

```
.background{ background-color: rgb(169,  
223, 166) }
```

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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