

Converting Colors

$Yxy(63.8234, 0.2928, 0.3626)$

Have a look what the booklet for
Yxy(63.8234, 0.2928, 0.3626)
contains.

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Color

Yxy(63.8234, 0.2928, 0.3626)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A7DDC2 |
| RGB | 167, 221, 194 |
| RGB Percent | 65%, 87%, 76% |
| CMY | 0.3450, 0.1333, 0.2391 |
| CMYK | 0.24, 0.00, 0.12, 0.13 |
| HSL | 150°, 44%, 76% |
| HSV | 150°, 24%, 87% |
| XYZ | 51.5375, 63.8234, 60.6551 |
| YIQ | 201.7760, -23.5170, -19.8450 |

Conversions

Conversions Part 2

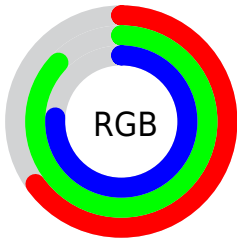
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 167, 203, 221 |
| Decimal | 11001282 |
| CIELab | 83.87, -22.77, 7.63 |
| CIELCh | 84, 24.013, 161.466 |
| Yxy | 63.8234, 0.2928, 0.3626 |
| Android (android.graphics.Color) | 4289191362 (0xFFA7DDC2) |
| YUV | 201.7760, -3.8336, -30.4986 |
| Hunter-Lab | 79.8895, -24.6547, 10.9075 |

Details

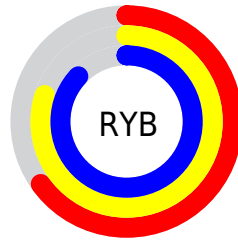
The Yxy color **63.8234, 0.2928, 0.3626** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.9167, 0.3387, 0.2977**, and the grayscale version is **58.9573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1101, 0.2962, 0.3340**, and **32.7433, 0.2881, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **61.1425, 0.2855, 0.3789**, and if you desaturate by 10%, it is **66.9578, 0.3007, 0.3478**.

Distribution



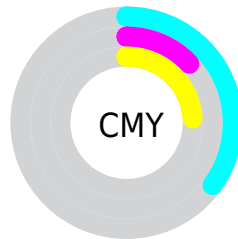
- Red (65%)
- Green (87%)
- Blue (76%)



- Red (65%)
- Yellow (80%)
- Blue (87%)



- Cyan (24%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)





- Cyan (35%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8234, 0.2928, 0.3626 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 63.8234, 0.2928, 0.3626 by changing the saturation by 10% instead.


 63.8234, 0.2928,
0.3626

 63.8234, 0.2928,
0.3626


438.5516, 0.3024,
0.3463

 46.5077, 0.2905,
0.3665


 110.3566, 0.2962,
0.3568

 32.6466, 0.2876,
0.3715

 140.3428, 0.2975,
0.3546

 21.8559, 0.2838,
0.3780


175.3213, 0.2986,
0.3527

 13.7510, 0.2787,
0.3868

215.6764, 0.2996,
0.3510

 7.9477, 0.2714,
0.3995

261.7926, 0.3004,
0.3496

 4.0615, 0.2601,
0.4192


314.0543, 0.3012,

 1.7080, 0.2407,

0.3484

0.4539


372.8458, 0.3018,
0.3473


 0.4288, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 63.8234, 0.2928,
0.3626

 63.8234, 0.2928,
0.3626

 61.1425, 0.2855,
0.3789


 66.9578, 0.3007,
0.3478


 58.8855, 0.2791,
0.3965


 70.5580, 0.3090,
0.3344

 57.0314, 0.2739,
0.4153


 74.6454, 0.3174,
0.3225


 55.5543, 0.2703,
0.4347


 79.1560, 0.3254,
0.3120


 54.4251, 0.2686,
0.4545

 79.8261, 0.3180,
0.3014

 53.6102, 0.2689,
0.4740

 80.1907, 0.3143,
0.2960

 53.0687, 0.2711,
0.4927

 52.8482, 0.2730,
0.5026

Harmonies

Analogous

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



63.8234, 0.3227, 0.3801



63.8234, 0.2928, 0.3626



63.8234, 0.2690, 0.3350

Triad

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



63.8234, 0.2928, 0.3626



63.8234, 0.2743, 0.2792



63.8234, 0.3720, 0.3462

Complementary

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



63.8234, 0.2928, 0.3626



46.9167, 0.3387, 0.2977

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.



63.8234, 0.3579, 0.3209



63.8234, 0.2928, 0.3626



63.8234, 0.3005, 0.2835

Square

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



63.8234, 0.2928, 0.3626



63.8234, 0.2588, 0.2873



63.8234, 0.3312, 0.2985



63.8234, 0.3692, 0.3685

Rectangle

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



63.8234, 0.2928, 0.3626



63.8234, 0.2594, 0.3159



63.8234, 0.3312, 0.2985



63.8234, 0.3691, 0.3378

Sweetspot

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



63.8261, 0.2928, 0.3626



96.2090, 0.3068, 0.3378



65.9733, 0.3289, 0.3940



20.5261, 0.3063, 0.3386



0.0000, 0.0000, 0.0000



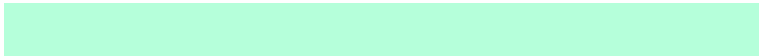
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8261, 0.2928, 0.3626



86.4137, 0.2892, 0.3703



65.1502, 0.2769, 0.3289



14.7143, 0.3048, 0.3409



30.7245, 0.2722, 0.4999



2.0079, 0.2639, 0.4700

Inverse Universe

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



46.9167, 0.3387, 0.2977



59.3907, 0.3454, 0.2913



45.8127, 0.3637, 0.3292



13.1595, 0.3214, 0.3174



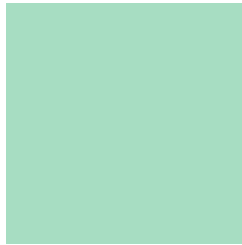
9.6126, 0.4950, 0.2501



0.6402, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 63.8234, 0.2928, 0.3626 looks on a white background.

Color Contrast Check

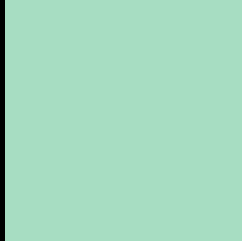
Large Text (above 18pt) WCAG AA × Fail

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 63.8234, 0.2928, 0.3626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

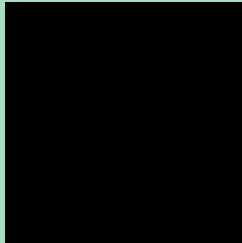
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

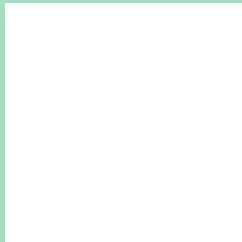
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8234, 0.2928, 0.3626

Background



This preview shows how black text looks on a background with the Yxy color 63.8234, 0.2928, 0.3626.

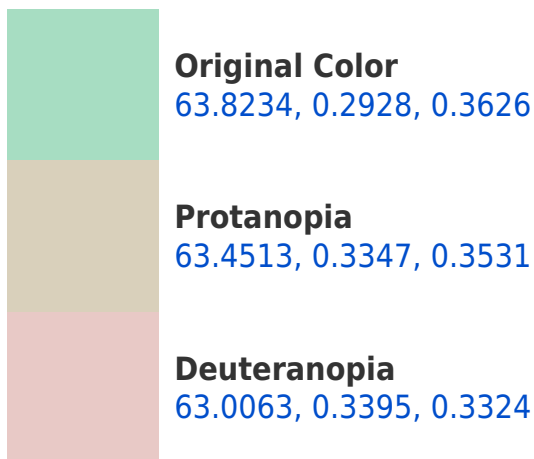


This preview shows how white text looks on a background with the Yxy color 63.8234, 0.2928, 0.3626.

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





Tritanopia

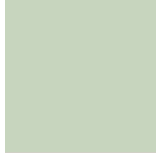
63.5980, 0.2743, 0.3077

Trichromacy



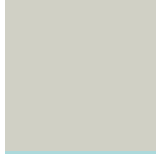
Original Color

63.8234, 0.2928, 0.3626



Protanomaly

63.4483, 0.3181, 0.3563



Deuteranomaly

62.5529, 0.3205, 0.3418



Tritanomaly

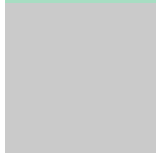
63.5108, 0.2808, 0.3265

Monochromacy



Original Color

63.8234, 0.2928, 0.3626



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

60.5433, 0.3048, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8234, 0.2928, 0.3626 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(167, 221, 194)` looks like.

```
.text, #text, p{  
    color:rgb(167, 221, 194)  
}
```

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(167, 221, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 221, 194) }
```

Border

The CSS property to change the border of an element to Yxy 63.8234, 0.2928, 0.3626 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(167, 221, 194) }
```

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

```
.border{ border-color:rgb(167, 221, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 221, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 221, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 221, 194); box-shadow:4px 4px 4px 4px rgb(167, 221, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8234, 0.2928, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 221, 194) }
```

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

```
.background{ background-color: rgb(167,  
221, 194) }
```

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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