

# Converting Colors

$Yxy(63.5642, 0.2920, 0.3642)$

Have a look what the booklet for  
Yxy(63.5642, 0.2920, 0.3642)  
contains.

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# Color

**Yxy(63.5625, 0.2921, 0.3641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5DDC1
RGB	165, 221, 193
RGB Percent	65%, 87%, 76%
CMY	0.3530, 0.1333, 0.2432
CMYK	0.25, 0.00, 0.13, 0.13
HSL	150°, 45%, 76%
HSV	150°, 25%, 87%
XYZ	50.9932, 63.5625, 60.0186
YIQ	201.0640, -24.3880, -20.5800

# Conversions

## Conversions Part 2

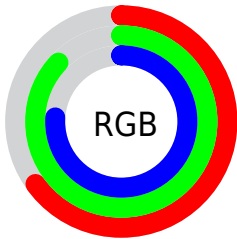
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 202, 221
Decimal	10870209
CIELab	83.74, -23.62, 7.98
CIElCh	84, 24.931, 161.342
Yxy	63.5625, 0.2921, 0.3641
Android (android.graphics.Color)	4289060289 (0xFFA5DDC1)
YUV	201.0640, -3.9756, -31.6281
Hunter-Lab	79.7261, -25.3513, 11.1741

# Details

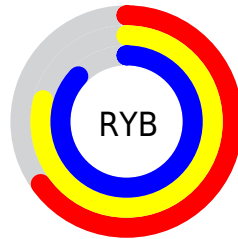
The Yxy color **63.5625, 0.2921, 0.3641** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.1269, 0.3400, 0.2964**, and the grayscale version is **58.4845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7317, 0.2955, 0.3350**, and **32.5813, 0.2872, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **60.9217, 0.2848, 0.3805**, and if you desaturate by 10%, it is **66.6550, 0.3000, 0.3491**.

# Distribution



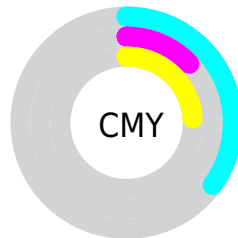
- Red (65%)
- Green (87%)
- Blue (76%)



- Red (65%)
- Yellow (79%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5625, 0.2921, 0.3641 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 63.5625, 0.2921, 0.3641 by changing the saturation by 10% instead.





 63.5625, 0.2921,  
0.3641


 63.5625, 0.2921,  
0.3641


437.6080, 0.3021,  
0.3470

 46.2964, 0.2897,  
0.3682

 109.9806, 0.2957,  
0.3580

 32.4798, 0.2867,  
0.3734


 139.9015, 0.2970,  
0.3557

 21.7282, 0.2827,  
0.3803


174.8093, 0.2982,  
0.3537

 13.6573, 0.2774,  
0.3895

215.0886, 0.2992,  
0.3520

 7.8827, 0.2698,  
0.4029

261.1237, 0.3000,  
0.3505

 4.0200, 0.2580,  
0.4237

313.2991, 0.3008,

 1.6848, 0.2376,

0.3492

0.4605

371.9991, 0.3015,  
0.3481

0.4138, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.5625, 0.2921,  
0.3641

63.5625, 0.2921,  
0.3641

60.9217, 0.2848,  
0.3805

66.6550, 0.3000,  
0.3491

58.7027, 0.2785,  
0.3983


70.2116, 0.3082,  
0.3356

56.8845, 0.2735,  
0.4172


74.2539, 0.3166,  
0.3236


55.4409, 0.2701,  
0.4367


78.8000, 0.3250,  
0.3129


 54.3424, 0.2686,  
0.4565

 79.7728, 0.3187,  
0.3023

 53.5548, 0.2690,  
0.4759

 80.1990, 0.3143,  
0.2960

 53.0363, 0.2715,  
0.4945

 52.8543, 0.2730,  
0.5028

# Harmonies

## Analogous

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



63.5625, 0.3232, 0.3823



63.5625, 0.2921, 0.3641



63.5625, 0.2674, 0.3353

# Triad

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



63.5625, 0.2921, 0.3641



63.5625, 0.2727, 0.2773



63.5625, 0.3744, 0.3466

# Complementary

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



63.5625, 0.2921, 0.3641



46.1269, 0.3400, 0.2964

# 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.



63.5625, 0.3596, 0.3205



63.5625, 0.2921, 0.3641



63.5625, 0.2998, 0.2818

# Square

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



63.5625, 0.2921, 0.3641



63.5625, 0.2567, 0.2857



63.5625, 0.3318, 0.2973



63.5625, 0.3715, 0.3699



# Rectangle

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



63.5625, 0.2921, 0.3641



63.5625, 0.2574, 0.3154



63.5625, 0.3318, 0.2973



63.5625, 0.3713, 0.3379

# Sweetspot

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



63.5651, 0.2921, 0.3641



95.6941, 0.3060, 0.3391



65.8947, 0.3302, 0.3965



20.3196, 0.3047, 0.3411



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

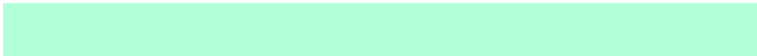


# Same Dimension

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



63.5651, 0.2921, 0.3641



86.0397, 0.2885, 0.3720



64.8873, 0.2762, 0.3300



14.7142, 0.3048, 0.3409



30.7231, 0.2722, 0.5001



2.0078, 0.2639, 0.4702



# Inverse Universe

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



46.1269, 0.3400, 0.2964



58.2981, 0.3468, 0.2899



45.0260, 0.3654, 0.3280



13.1597, 0.3214, 0.3174



9.6140, 0.4948, 0.2500

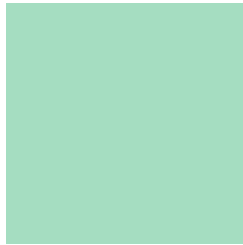


0.6402, 0.4589, 0.2302



# Previews

## White Background



This preview shows how the Yxy color 63.5625, 0.2921, 0.3641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

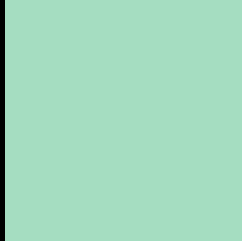
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.5625, 0.2921, 0.3641 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

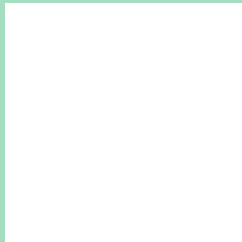
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.5625, 0.2921, 0.3641**

## Background



This preview shows how black text looks on a background with the Yxy color 63.5625, 0.2921, 0.3641.

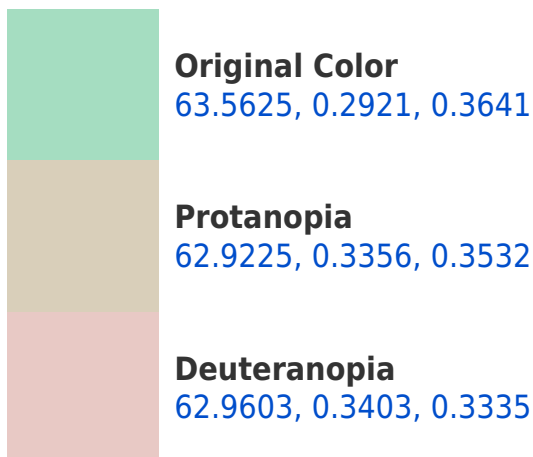


This preview shows how white text looks on a background with the Yxy color 63.5625, 0.2921, 0.3641.

# 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

63.3683, 0.2731, 0.3077

# Trichromacy



**Original Color**

63.5625, 0.2921, 0.3641

**Protanomaly**

62.7669, 0.3181, 0.3564

**Deuteranomaly**

62.5072, 0.3212, 0.3430

**Tritanomaly**

63.2337, 0.2801, 0.3277

# Monochromacy



**Original Color**

63.5625, 0.2921, 0.3641

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

59.8803, 0.3047, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5625, 0.2921, 0.3641 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(165, 221, 193)` looks like.

```
.text, #text, p{  
    color:rgb(165, 221, 193)  
}
```

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(165, 221, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 221, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5625, 0.2921, 0.3641 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(165, 221, 193) }
```

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

```
.border{ border-color:rgb(165, 221, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 221, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 221, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 221, 193);  
box-shadow:4px 4px 4px 4px rgb(165, 221,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5625, 0.2921, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 221, 193) }
```

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

```
.background{ background-color: rgb(165,  
221, 193) }
```

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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