

# Converting Colors

Yxy(64.0466, 0.2780, 0.3541)

Have a look what the booklet for  
Yxy(64.0466, 0.2780, 0.3541)  
contains.

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# Color

**Yxy(64.3463, 0.2779, 0.3541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98E0CC
RGB	152, 224, 204
RGB Percent	60%, 88%, 80%
CMY	0.4040, 0.1215, 0.2001
CMYK	0.32, 0.00, 0.09, 0.12
HSL	163°, 54%, 74%
HSV	163°, 32%, 88%
XYZ	50.4994, 64.3463, 66.8722
YIQ	200.1920, -36.4920, -21.4840

# Conversions

## Conversions Part 2

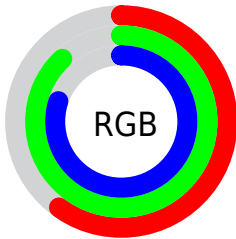
Format	Color
<b>RYB</b>	152, 194, 224
Decimal	10019020
CIELab	84.15, -26.70, 2.66
CIELCh	84, 26.828, 174.307
Yxy	64.3463, 0.2779, 0.3541
Android (android.graphics.Color)	4288209100 (0xFF98E0CC)
YUV	200.1920, 1.8773, -42.2644
Hunter-Lab	80.2161, -28.0051, 6.7242

# Details

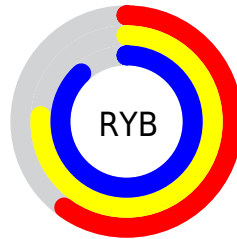
The Yxy color **64.3463, 0.2779, 0.3541** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.2799, 0.3658, 0.3056**, and the grayscale version is **57.8871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **32.8039, 0.2690, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **62.0950, 0.2690, 0.3633**, and if you desaturate by 10%, it is **67.0230, 0.2880, 0.3455**.

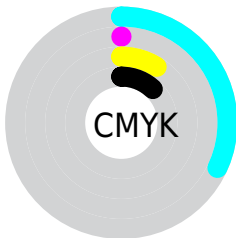
# Distribution



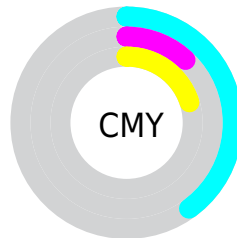
- Red (60%)
- Green (88%)
- Blue (80%)



- Red (60%)
- Yellow (76%)
- Blue (88%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)




- Cyan (40%)
- Magenta (12%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3463, 0.2779, 0.3541 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 64.3463, 0.2779, 0.3541 by changing the saturation by 10% instead.





 64.3463, 0.2779,  
0.3541

 64.3463, 0.2779,  
0.3541


440.4391, 0.2944,  
0.3421

 46.9312, 0.2740,  
0.3569


 111.1095, 0.2837,  
0.3499

 32.9813, 0.2692,  
0.3605

 141.2264, 0.2859,  
0.3482

 22.1121, 0.2630,  
0.3651


176.3461, 0.2879,  
0.3468

 13.9393, 0.2547,  
0.3713

216.8529, 0.2895,  
0.3456

 8.0785, 0.2432,  
0.3800

263.1312, 0.2910,  
0.3446

 4.1452, 0.2261,  
0.3932

315.5654, 0.2922,

 1.7551, 0.1981,

0.3437

0.4155

374.5399, 0.2934,  
0.3428

0.4590, 0.0000,  
0.5940

0.0000, 0.0000,  
0.0000

64.3463, 0.2779,  
0.3541

64.3463, 0.2779,  
0.3541

62.0950, 0.2690,  
0.3633

67.0230, 0.2880,  
0.3455

60.2380, 0.2614,  
0.3731


70.1385, 0.2988,  
0.3376


58.7525, 0.2556,  
0.3833


73.7154, 0.3102,  
0.3304


57.6099, 0.2516,  
0.3938


77.7723, 0.3219,  
0.3240

 56.7776, 0.2497,  
0.4044

 80.5816, 0.3272,  
0.3180


 56.2161, 0.2497,  
0.4149

 80.9483, 0.3231,  
0.3120

 55.9147, 0.2509,  
0.4231

 81.3277, 0.3189,  
0.3060

 81.7200, 0.3149,  
0.3001

 81.7961, 0.3141,  
0.2990

# Harmonies

## Analogous

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



64.3463, 0.3091, 0.3799



64.3463, 0.2779, 0.3541



64.3463, 0.2566, 0.3216

# Triad

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



64.3463, 0.2779, 0.3541



64.3463, 0.2813, 0.2743



64.3463, 0.3799, 0.3592

# Complementary

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



64.3463, 0.2779, 0.3541



41.2799, 0.3658, 0.3056

# 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.



64.3463, 0.3720, 0.3318



64.3463, 0.2779, 0.3541



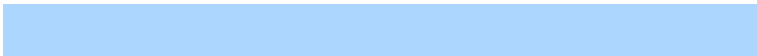
64.3463, 0.3135, 0.2845

# Square

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



64.3463, 0.2779, 0.3541



64.3463, 0.2585, 0.2771



64.3463, 0.3472, 0.3051



64.3463, 0.3687, 0.3808



# Rectangle

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



64.3463, 0.2779, 0.3541



64.3463, 0.2503, 0.3019



64.3463, 0.3472, 0.3051



64.3463, 0.3794, 0.3503

# Sweetspot

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



64.3489, 0.2779, 0.3541



95.0320, 0.3012, 0.3361



64.3978, 0.3223, 0.4199



20.2023, 0.2996, 0.3371



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

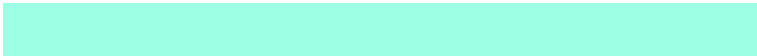


# Same Dimension

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



64.3489, 0.2779, 0.3541



84.1082, 0.2714, 0.3606



57.3654, 0.2645, 0.3094



15.5039, 0.3019, 0.3356



32.5639, 0.2504, 0.4215



2.2721, 0.2459, 0.4054



# Inverse Universe

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



41.2799, 0.3658, 0.3056



48.3136, 0.3829, 0.3002



45.9699, 0.3807, 0.3477



13.7629, 0.3249, 0.3225



9.4454, 0.5830, 0.2985



0.6697, 0.5388, 0.2742



# Previews

## White Background



This preview shows how the Yxy color 64.3463, 0.2779, 0.3541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

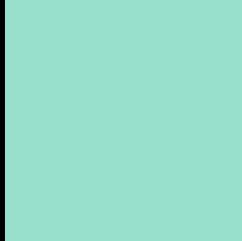
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3463, 0.2779, 0.3541 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

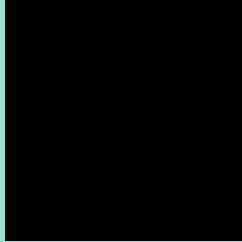
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

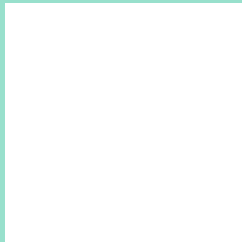
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.3463, 0.2779, 0.3541**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3463, 0.2779, 0.3541.

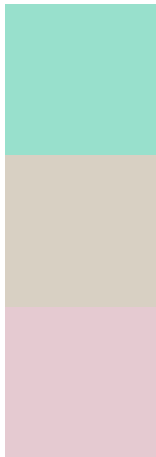


This preview shows how white text looks on a background with the Yxy color 64.3463, 0.2779, 0.3541.

# 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

64.3463, 0.2779, 0.3541

### Protanopia

63.6508, 0.3281, 0.3439

### Deuteranopia

63.5025, 0.3287, 0.3214



## Tritanopia

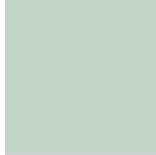
64.1484, 0.2632, 0.3074

# Trichromacy



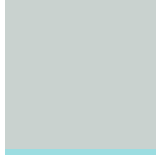
## Original Color

64.3463, 0.2779, 0.3541



## Protanomaly

63.5078, 0.3082, 0.3481



## Deuteranomaly

63.0157, 0.3081, 0.3325



## Tritanomaly

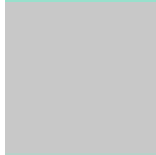
64.2171, 0.2682, 0.3240

# Monochromacy



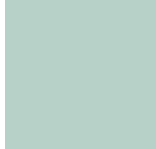
## Original Color

64.3463, 0.2779, 0.3541



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

59.8853, 0.2991, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3463, 0.2779, 0.3541 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(152, 224, 204)` looks like.

```
.text, #text, p{  
    color:rgb(152, 224, 204)  
}
```

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(152, 224, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 224, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3463, 0.2779, 0.3541 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(152, 224, 204) }
```

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

```
.border{ border-color:rgb(152, 224, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 224, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 224, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 224, 204); box-shadow:4px 4px 4px 4px rgb(152, 224, 204) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3463, 0.2779, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 224, 204) }
```

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

```
.background{ background-color: rgb(152,  
224, 204) }
```

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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