

# Converting Colors

$Yxy(62.2751, 0.2798, 0.3462)$

Have a look what the booklet for  
Yxy(62.2751, 0.2798, 0.3462)  
contains.

<b>Yxy(62.2389, 0.2798, 0.3465)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(62.2389, 0.2798, 0.3465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDBCD
RGB	157, 219, 205
RGB Percent	62%, 86%, 80%
CMY	0.3842, 0.1412, 0.1961
CMYK	0.28, 0.00, 0.06, 0.14
HSL	166°, 46%, 74%
HSV	166°, 28%, 86%
XYZ	50.2581, 62.2389, 67.1246
YIQ	198.8660, -32.4580, -17.4980

# Conversions

## Conversions Part 2

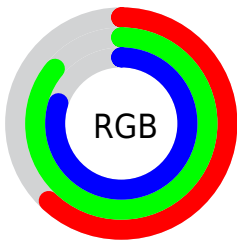
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 192, 219
Decimal	10345421
CIELab	83.04, -22.58, 0.54
CIELCh	83, 22.584, 178.625
Yxy	62.2389, 0.2798, 0.3465
Android (android.graphics.Color)	4288535501 (0xFF9DDBCD)
YUV	198.8660, 3.0241, -36.7165
Hunter-Lab	78.8916, -24.3464, 4.7775

# Details

The Yxy color **62.2389, 0.2798, 0.3465** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1208, 0.3606, 0.3124**, and the grayscale version is **57.0266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **31.7283, 0.2718, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **59.9971, 0.2699, 0.3537**, and if you desaturate by 10%, it is **64.8881, 0.2908, 0.3398**.

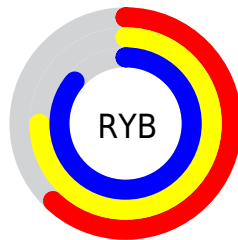
# Distribution



Red (62%)

Green (86%)

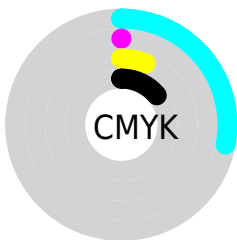
Blue (80%)



Red (62%)

Yellow (75%)

Blue (86%)

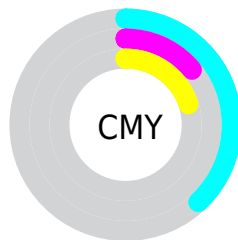


Cyan (28%)

Magenta (0%)

Yellow (6%)

Black (14%)



Cyan (38%)

Magenta (14%)


Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2389, 0.2798, 0.3465 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 62.2389, 0.2798, 0.3465 by changing the saturation by 10% instead.




 62.2389, 0.2798,  
0.3465

 62.2389, 0.2798,  
0.3465


432.8020, 0.2954,  
0.3382

 45.2258, 0.2761,  
0.3485


 108.0707, 0.2853,  
0.3436

 31.6353, 0.2715,  
0.3509


 137.6582, 0.2874,  
0.3424

 21.0831, 0.2656,  
0.3541


172.2059, 0.2892,  
0.3415

 13.1847, 0.2577,  
0.3583

212.0983, 0.2908,  
0.3406

 7.5559, 0.2467,  
0.3643

257.7197, 0.2922,  
0.3399

 3.8121, 0.2302,  
0.3732

309.4545, 0.2934,

 1.5690, 0.2030,

0.3393

0.3880

367.6871, 0.2945,  
0.3387

0.3366, 0.0000,  
0.5060

0.0000, 0.0000,  
0.0000

62.2389, 0.2798,  
0.3465

62.2389, 0.2798,  
0.3465

59.9971, 0.2699,  
0.3537

64.8881, 0.2908,  
0.3398

58.1341, 0.2613,  
0.3614


67.9567, 0.3026,  
0.3337


56.6290, 0.2543,  
0.3694

71.4655, 0.3148,  
0.3281

55.4564, 0.2492,  
0.3776

75.4318, 0.3273,  
0.3231


 54.5870, 0.2460,  
0.3860


 77.6215, 0.3315,  
0.3183

 53.9865, 0.2449,  
0.3944

 77.9029, 0.3280,  
0.3135

 53.6047, 0.2454,  
0.4027

 78.1922, 0.3246,  
0.3087

 53.5489, 0.2456,  
0.4041

 78.4895, 0.3213,  
0.3039

 78.7949, 0.3180,  
0.2992

# Harmonies

## Analogous

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



62.2389, 0.3057, 0.3695



62.2389, 0.2798, 0.3465



62.2389, 0.2630, 0.3192

# Triad

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



62.2389, 0.2798, 0.3465



62.2389, 0.2896, 0.2826



62.2389, 0.3694, 0.3583

# Complementary

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



62.2389, 0.2798, 0.3465



42.1208, 0.3606, 0.3124

# 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.



62.2389, 0.3650, 0.3351



62.2389, 0.2798, 0.3465



62.2389, 0.3178, 0.2928

# Square

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



62.2389, 0.2798, 0.3465



62.2389, 0.2684, 0.2835



62.2389, 0.3458, 0.3117



62.2389, 0.3579, 0.3751



# Rectangle

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



62.2389, 0.2798, 0.3465



62.2389, 0.2588, 0.3030



62.2389, 0.3458, 0.3117



62.2389, 0.3698, 0.3509

# Sweetspot

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



62.2414, 0.2798, 0.3465



96.0410, 0.3028, 0.3335



61.8104, 0.3191, 0.4082



20.4071, 0.3010, 0.3344



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.



62.2414, 0.2798, 0.3465



85.9005, 0.2737, 0.3508



54.7473, 0.2697, 0.3080



14.7766, 0.3012, 0.3343



31.7689, 0.2452, 0.4028



2.0707, 0.2415, 0.3893



# Inverse Universe

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



42.1208, 0.3606, 0.3124



53.0017, 0.3748, 0.3087



47.5922, 0.3692, 0.3490



13.0994, 0.3256, 0.3237



9.0774, 0.5993, 0.3075



0.6012, 0.5531, 0.2820



# Previews

## White Background



This preview shows how the Yxy color 62.2389, 0.2798, 0.3465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

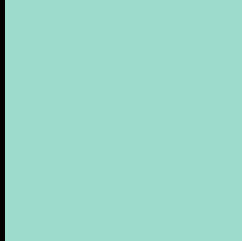
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2389, 0.2798, 0.3465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

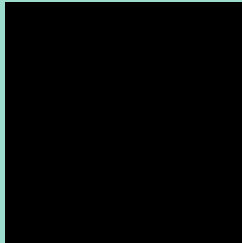
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

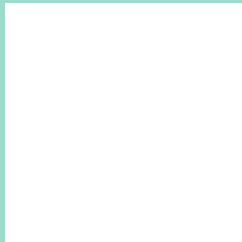
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.2389, 0.2798, 0.3465**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2389, 0.2798, 0.3465.

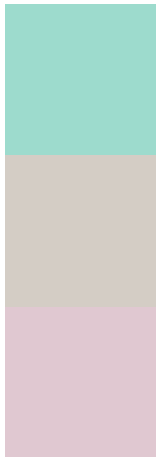


This preview shows how white text looks on a background with the Yxy color 62.2389, 0.2798, 0.3465.

# 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

62.2389, 0.2798, 0.3465

### Protanopia

61.6909, 0.3239, 0.3383

### Deuteranopia

61.7593, 0.3249, 0.3190



## Tritanopia

62.2136, 0.2676, 0.3085

# Trichromacy



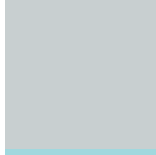
## Original Color

62.2389, 0.2798, 0.3465



## Protanomaly

61.4698, 0.3062, 0.3410



## Deuteranomaly

61.4591, 0.3068, 0.3278



## Tritanomaly

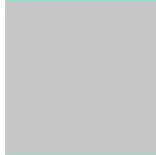
61.9627, 0.2721, 0.3215

# Monochromacy



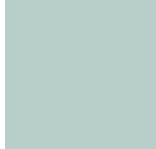
## Original Color

62.2389, 0.2798, 0.3465



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

58.5500, 0.2998, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2389, 0.2798, 0.3465 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(157, 219, 205)` looks like.

```
.text, #text, p{  
    color:rgb(157, 219, 205)  
}
```

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(157, 219, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 219, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2389, 0.2798, 0.3465 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(157, 219, 205) }
```

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

```
.border{ border-color:rgb(157, 219, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 219, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 219, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 219, 205);  
box-shadow:4px 4px 4px 4px rgb(157, 219,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2389, 0.2798, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 219, 205) }
```

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

```
.background{ background-color: rgb(157,  
219, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor