

# Converting Colors

$Yxy(62.3772, 0.2756, 0.3495)$

Have a look what the booklet for  
Yxy(62.3772, 0.2756, 0.3495)  
contains.

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# Color

**Yxy(62.5102, 0.2752, 0.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95DDCD
RGB	149, 221, 205
RGB Percent	58%, 87%, 80%
CMY	0.4159, 0.1333, 0.1960
CMYK	0.33, 0.00, 0.07, 0.13
HSL	167°, 51%, 73%
HSV	167°, 33%, 87%
XYZ	49.2635, 62.5102, 67.2361
YIQ	197.6480, -37.7760, -20.2400

# Conversions

## Conversions Part 2

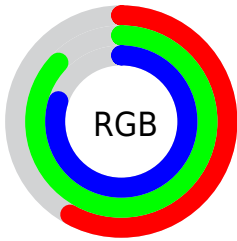
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 190, 221
Decimal	9821645
CIELab	83.18, -25.88, 0.70
CIELCh	83, 25.891, 178.461
Yxy	62.5102, 0.2752, 0.3492
Android (android.graphics.Color)	4288011725 (0xFF95DDCD)
YUV	197.6480, 3.6245, -42.6643
Hunter-Lab	79.0634, -27.1397, 4.9237

# Details

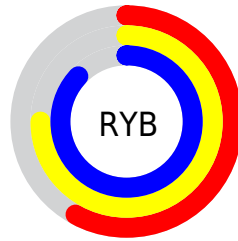
The Yxy color **62.5102, 0.2752, 0.3492** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5652, 0.3710, 0.3100**, and the grayscale version is **56.2364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **31.9397, 0.2658, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **60.3952, 0.2658, 0.3565**, and if you desaturate by 10%, it is **65.0321, 0.2858, 0.3424**.

# Distribution



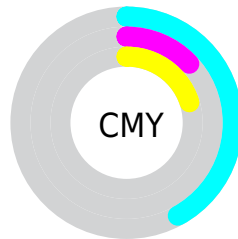
- Red (58%)
- Green (87%)
- Blue (80%)



- Red (58%)
- Yellow (75%)
- Blue (87%)



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (13%)




- Cyan (42%)
- Magenta (13%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5102, 0.2752, 0.3492 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 62.5102, 0.2752, 0.3492 by changing the saturation by 10% instead.





 62.5102, 0.2752,  
0.3492


 62.5102, 0.2752,  
0.3492


433.7897, 0.2930,  
0.3396

 45.4451, 0.2710,  
0.3515


 108.4626, 0.2815,  
0.3458

 31.8081, 0.2658,  
0.3543


 138.1186, 0.2839,  
0.3445

 21.2150, 0.2591,  
0.3579


172.7404, 0.2859,  
0.3434

 13.2813, 0.2502,  
0.3628

212.7124, 0.2877,  
0.3424

 7.6225, 0.2377,  
0.3696

258.4189, 0.2893,  
0.3416

 3.8544, 0.2192,  
0.3799

310.2444, 0.2907,

 1.5924, 0.1883,

0.3408

0.3970

368.5732, 0.2919,  
0.3402

0.3525, 0.0000,  
0.5126

0.0000, 0.0000,  
0.0000

62.5102, 0.2752,  
0.3492

62.5102, 0.2752,  
0.3492

60.3952, 0.2658,  
0.3565

65.0321, 0.2858,  
0.3424

58.6570, 0.2578,  
0.3642

67.9740, 0.2973,  
0.3361

57.2734, 0.2516,  
0.3722


71.3576, 0.3095,  
0.3304


56.2169, 0.2473,  
0.3803


75.2010, 0.3220,  
0.3252

 55.4557, 0.2450,  
0.3886

 78.6677, 0.3314,  
0.3206


 54.9513, 0.2446,  
0.3967

 78.9465, 0.3280,  
0.3157

 54.6970, 0.2452,  
0.4027

 79.2332, 0.3247,  
0.3109

 79.5277, 0.3214,  
0.3062

 79.8301, 0.3181,  
0.3015

# Harmonies

## Analogous

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



62.5102, 0.3047, 0.3758



62.5102, 0.2752, 0.3492



62.5102, 0.2562, 0.3176

# Triad

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



62.5102, 0.2752, 0.3492



62.5102, 0.2860, 0.2763



62.5102, 0.3777, 0.3619

# Complementary

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



62.5102, 0.2752, 0.3492



39.5652, 0.3710, 0.3100

# 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.



62.5102, 0.3726, 0.3355



62.5102, 0.2752, 0.3492



62.5102, 0.3182, 0.2879

# Square

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



62.5102, 0.2752, 0.3492



62.5102, 0.2622, 0.2772



62.5102, 0.3504, 0.3090



62.5102, 0.3645, 0.3816



# Rectangle

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



62.5102, 0.2752, 0.3492



62.5102, 0.2514, 0.2991



62.5102, 0.3504, 0.3090



62.5102, 0.3781, 0.3535

# Sweetspot

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



62.5127, 0.2752, 0.3492



95.1212, 0.3004, 0.3346



61.9691, 0.3198, 0.4221



20.2240, 0.2987, 0.3355



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.



62.5127, 0.2752, 0.3492



84.4220, 0.2687, 0.3540



53.7499, 0.2634, 0.3044



14.7775, 0.3012, 0.3342



31.7876, 0.2449, 0.4015



2.0718, 0.2412, 0.3882



# Inverse Universe

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



39.5652, 0.3710, 0.3100



48.0855, 0.3886, 0.3060



45.6071, 0.3805, 0.3522



13.0986, 0.3257, 0.3238



9.0730, 0.6004, 0.3081

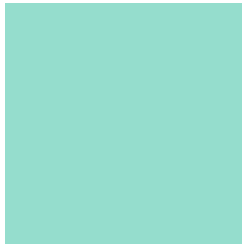


0.6008, 0.5543, 0.2827



# Previews

## White Background



This preview shows how the Yxy color 62.5102, 0.2752, 0.3492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

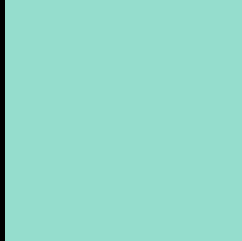
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.5102, 0.2752, 0.3492 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

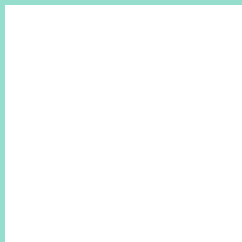
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.5102, 0.2752, 0.3492**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5102, 0.2752, 0.3492.

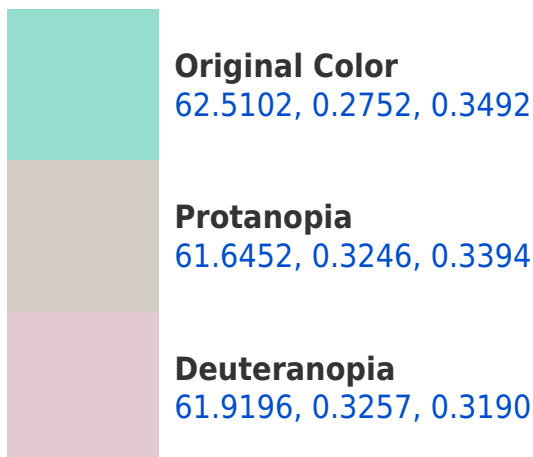


This preview shows how white text looks on a background with the Yxy color 62.5102, 0.2752, 0.3492.

# 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

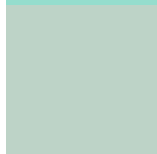
62.6341, 0.2628, 0.3083

# Trichromacy



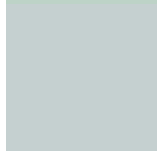
## Original Color

62.5102, 0.2752, 0.3492



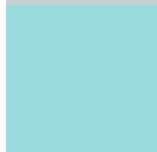
## Protanomaly

61.5309, 0.3047, 0.3435



## Deuteranomaly

61.5361, 0.3046, 0.3290



## Tritanomaly

62.2428, 0.2671, 0.3227

# Monochromacy



## Original Color

62.5102, 0.2752, 0.3492



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

58.0630, 0.2969, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5102, 0.2752, 0.3492 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(149, 221, 205)` looks like.

```
.text, #text, p{  
    color:rgb(149, 221, 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(149, 221, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 221, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5102, 0.2752, 0.3492 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(149, 221, 205) }
```

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

```
.border{ border-color:rgb(149, 221, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 221, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 221, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 221, 205);  
box-shadow:4px 4px 4px 4px rgb(149, 221,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5102, 0.2752, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 221, 205) }
```

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

```
.background{ background-color: rgb(149,  
221, 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](#).

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