

# Converting Colors

$Y_{xy}(62.2580, 0.2476, 0.3975)$

Have a look what the booklet for  
Yxy(62.2580, 0.2476, 0.3975)  
contains.

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# Color

**Yxy(62.2099, 0.2477, 0.3982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29E9B8
RGB	41, 233, 184
RGB Percent	16%, 91%, 72%
CMY	0.8403, 0.0862, 0.2784
CMYK	0.83, 0.00, 0.21, 0.09
HSL	165°, 81%, 54%
HSV	165°, 83%, 91%
XYZ	38.6976, 62.2099, 55.3203
YIQ	170.0060, -98.7030, -55.9430

# Conversions

## Conversions Part 2

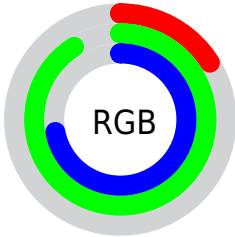
Format	Color
<a href="#">RYB</a>	<a href="#">41, 151, 233</a>
Decimal	<a href="#">2746808</a>
CIELab	<a href="#">83.02, -56.25, 11.14</a>
CIELCh	<a href="#">83, 57.342, 168.795</a>
Yxy	<a href="#">62.2099, 0.2477, 0.3982</a>
Android (android.graphics.Color)	<a href="#">4280936888 (0xFF29E9B8)</a>
YUV	<a href="#">170.0060, 6.8990, -113.1383</a>
Hunter-Lab	<a href="#">78.8733, -50.4507, 13.6264</a>

# Details

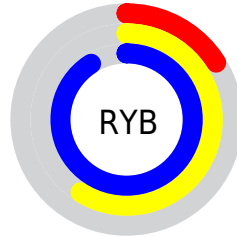
The Yxy color **62.2099, 0.2477, 0.3982** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **19.6271, 0.5379, 0.2914**, and the grayscale version is **40.1659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8762, 0.2512, 0.3464**, and **32.6894, 0.2482, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **61.6257, 0.2476, 0.4078**, and if you desaturate by 10%, it is **63.0919, 0.2497, 0.3886**.

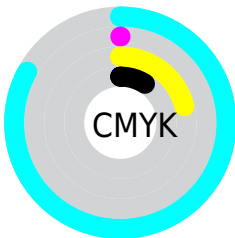
# Distribution



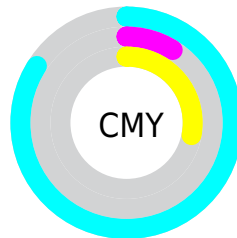
- Red (16%)
- Green (91%)
- Blue (72%)



- Red (16%)
- Yellow (59%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (21%)
- Black (9%)




- Cyan (84%)
- Magenta (9%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2099, 0.2477, 0.3982 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 62.2099, 0.2477, 0.3982 by changing the saturation by 10% instead.




 62.2099, 0.2477,  
0.3982

 62.2099, 0.2477,  
0.3982


432.6963, 0.2791,  
0.3639

 45.2023, 0.2402,  
0.4066

 108.0288, 0.2588,  
0.3858


 31.6168, 0.2308,  
0.4174

 137.6090, 0.2631,  
0.3812

 21.0690, 0.2187,  
0.4315


 172.1488, 0.2667,  
0.3772

 13.1744, 0.2025,  
0.4508

 212.0326, 0.2699,  
0.3738

 7.5488, 0.1799,  
0.4789

 257.6449, 0.2726,  
0.3708

 3.8076, 0.1465,  
0.5228

309.3700, 0.2750,

 1.5665, 0.0000,

0.3683

0.6645

367.5924, 0.2772,  
0.3660

■ 0.3349, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.2099, 0.2477,  
0.3982

■ 62.2099, 0.2477,  
0.3982

■ 61.6257, 0.2476,  
0.4078


■ 63.0919, 0.2497,  
0.3886


■ 61.3268, 0.2486,  
0.4148

■ 64.3081, 0.2538,  
0.3790


■ 65.8973, 0.2597,  
0.3697

■ 67.8910, 0.2674,  
0.3608

 70.3174, 0.2765,  
0.3523

 73.2020, 0.2868,  
0.3444

 76.5684, 0.2980,  
0.3372

 80.4385, 0.3097,  
0.3306

 84.8328, 0.3217,  
0.3246

# Harmonies

## Analogous

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



62.2099, 0.3132, 0.4536



62.2099, 0.2477, 0.3982



62.2099, 0.2030, 0.3211

# Triad

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



62.2099, 0.2477, 0.3982



62.2099, 0.2361, 0.2187



62.2099, 0.4573, 0.3731

# Complementary

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



62.2099, 0.2477, 0.3982



19.6271, 0.5379, 0.2914

# 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.



62.2099, 0.4344, 0.3191



62.2099, 0.2477, 0.3982



62.2099, 0.2984, 0.2352

# Square

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



62.2099, 0.2477, 0.3982



62.2099, 0.1979, 0.2254



62.2099, 0.3730, 0.2707



62.2099, 0.4360, 0.4246



# Rectangle

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



62.2099, 0.2477, 0.3982



62.2099, 0.1888, 0.2768



62.2099, 0.3730, 0.2707



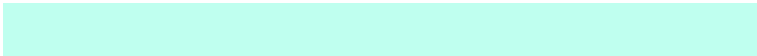
62.2099, 0.4548, 0.3549

# Sweetspot

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



62.2123, 0.2477, 0.3982



88.8462, 0.2840, 0.3464



60.7192, 0.3183, 0.5692



18.7466, 0.2804, 0.3492



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.



62.2123, 0.2477, 0.3982



75.2832, 0.2486, 0.4144



42.3796, 0.2108, 0.2657



17.0525, 0.3015, 0.3351



34.8148, 0.2482, 0.4134



2.7492, 0.2445, 0.4002



# Inverse Universe

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



19.6271, 0.5379, 0.2914



21.7193, 0.5933, 0.3048



24.0758, 0.5640, 0.3641



15.1170, 0.3253, 0.3230



10.0282, 0.5911, 0.3030

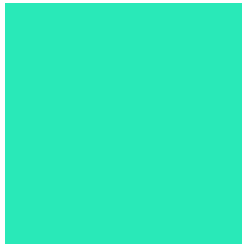


0.8026, 0.5520, 0.2814



# Previews

## White Background



This preview shows how the Yxy color 62.2099, 0.2477, 0.3982 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

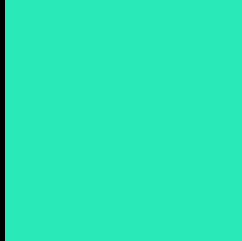
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2099, 0.2477, 0.3982 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

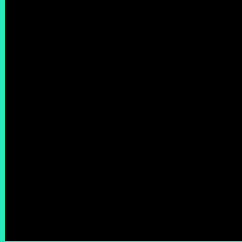
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

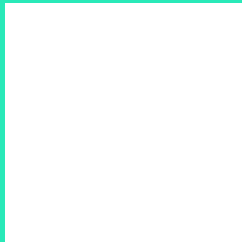
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.2099, 0.2477, 0.3982**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2099, 0.2477, 0.3982.

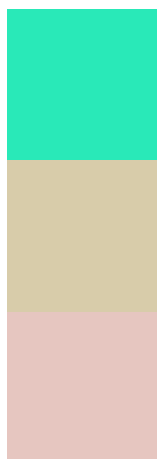


This preview shows how white text looks on a background with the Yxy color 62.2099, 0.2477, 0.3982.

# 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

62.2099, 0.2477, 0.3982

### Protanopia

60.6869, 0.3473, 0.3687

### Deuteranopia

61.0169, 0.3431, 0.3358



## Tritanopia

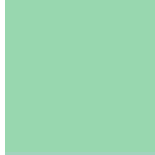
62.0270, 0.2289, 0.3059

# Trichromacy



## Original Color

62.2099, 0.2477, 0.3982



## Protanomaly

58.3714, 0.2944, 0.3820



## Deuteranomaly

57.8397, 0.2915, 0.3574



## Tritanomaly

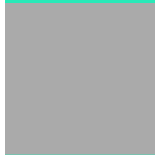
61.9190, 0.2348, 0.3367

# Monochromacy



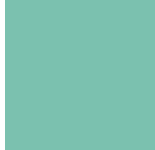
## Original Color

62.2099, 0.2477, 0.3982



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

45.4460, 0.2734, 0.3553

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2099, 0.2477, 0.3982 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(41, 233, 184)` looks like.

```
.text, #text, p{  
    color:rgb(41, 233, 184)  
}
```

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(41, 233, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 233, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2099, 0.2477, 0.3982 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(41, 233, 184) }
```

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

```
.border{ border-color:rgb(41, 233, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 233, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 233, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 233, 184);  
box-shadow:4px 4px 4px 4px rgb(41, 233,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2099, 0.2477, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 233, 184) }
```

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

```
.background{ background-color: rgb(41, 233,  
184) }
```

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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