

# Converting Colors

$Yxy(62.7382, 0.2494, 0.4097)$

Have a look what the booklet for  
Yxy(62.7382, 0.2494, 0.4097)  
contains.

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# Color

**Yxy(62.9070, 0.2495, 0.4100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1EEBB2
RGB	30, 235, 178
RGB Percent	12%, 92%, 70%
CMY	0.8820, 0.0784, 0.3020
CMYK	0.87, 0.00, 0.24, 0.08
HSL	163°, 84%, 52%
HSV	163°, 87%, 92%
XYZ	38.2812, 62.9070, 52.2435
YIQ	167.2070, -103.8830, -61.1870

# Conversions

## Conversions Part 2

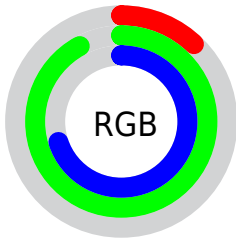
Format	Color
<b>RYB</b>	30, 149, 235
Decimal	2026418
CIELab	83.39, -59.17, 14.79
CIELCh	83, 60.992, 165.963
Yxy	62.9070, 0.2495, 0.4100
Android (android.graphics.Color)	4280216498 (0xFF1EEBB2)
YUV	167.2070, 5.3209, -120.3305
Hunter-Lab	79.3139, -52.6456, 16.4659

# Details

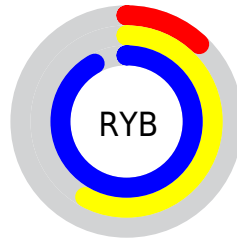
The Yxy color **62.9070, 0.2495, 0.4100** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **19.2853, 0.5475, 0.2897**, and the grayscale version is **38.7757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2424, 0.2523, 0.3538**, and **33.3215, 0.2524, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **62.4182, 0.2505, 0.4205**, and if you desaturate by 10%, it is **63.6740, 0.2504, 0.3994**.

# Distribution



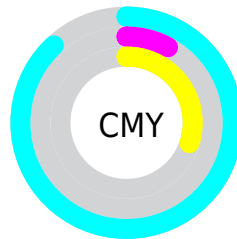
- Red (12%)
- Green (92%)
- Blue (70%)



- Red (12%)
- Yellow (58%)
- Blue (92%)



- Cyan (87%)
- Magenta (0%)
- Yellow (24%)
- Black (8%)




- Cyan (88%)
- Magenta (8%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9070, 0.2495, 0.4100 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 62.9070, 0.2495, 0.4100 by changing the saturation by 10% instead.





 62.9070, 0.2495,  
0.4100

 62.9070, 0.2495,  
0.4100


435.2319, 0.2803,  
0.3696


 45.7660, 0.2421,  
0.4200

 109.0353, 0.2605,  
0.3953

 32.0612, 0.2328,  
0.4328


 138.7914, 0.2647,  
0.3898


 21.4082, 0.2207,  
0.4498


 173.5213, 0.2682,  
0.3852

 13.4227, 0.2044,  
0.4731

 213.6095, 0.2713,  
0.3812

 7.7203, 0.1814,  
0.5071

 259.4402, 0.2740,  
0.3777

 3.9165, 0.1473,  
0.5606

311.3979, 0.2763,

 1.6270, 0.0000,

0.3746

0.7371

369.8670, 0.2784,  
0.3720

■ 0.3757, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.9070, 0.2495,  
0.4100

■ 62.9070, 0.2495,  
0.4100

■ 62.4182, 0.2505,  
0.4205


■ 63.6740, 0.2504,  
0.3994


■ 62.3060, 0.2509,  
0.4234

■ 64.7642, 0.2533,  
0.3888

■ 66.2203, 0.2582,  
0.3784


■ 68.0765, 0.2649,  
0.3684

 70.3631, 0.2731,  
0.3588

 73.1075, 0.2827,  
0.3498

 76.3346, 0.2932,  
0.3415

 80.0675, 0.3044,  
0.3340

 84.3279, 0.3160,  
0.3272

# Harmonies

## Analogous

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



62.9070, 0.3195, 0.4648



62.9070, 0.2495, 0.4100



62.9070, 0.2002, 0.3276

# Triad

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



62.9070, 0.2495, 0.4100



62.9070, 0.2270, 0.2128



62.9070, 0.4655, 0.3690

# Complementary

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



62.9070, 0.2495, 0.4100



19.2853, 0.5475, 0.2897

# 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.



62.9070, 0.4370, 0.3129



62.9070, 0.2495, 0.4100



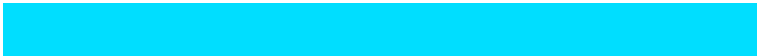
62.9070, 0.2902, 0.2280

# Square

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



62.9070, 0.2495, 0.4100



62.9070, 0.1898, 0.2219



62.9070, 0.3690, 0.2634



62.9070, 0.4463, 0.4241



# Rectangle

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



62.9070, 0.2495, 0.4100



62.9070, 0.1838, 0.2791



62.9070, 0.3690, 0.2634



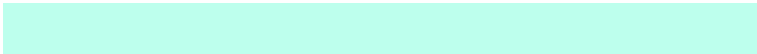
62.9070, 0.4614, 0.3500

# Sweetspot

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



62.9095, 0.2495, 0.4100



88.3890, 0.2838, 0.3489



61.5939, 0.3179, 0.5761



18.6545, 0.2803, 0.3519



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.



62.9095, 0.2495, 0.4100



74.9834, 0.2511, 0.4238



43.3651, 0.2096, 0.2667



17.0462, 0.3018, 0.3356



34.6983, 0.2505, 0.4217



2.7408, 0.2465, 0.4072



# Inverse Universe

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



19.2853, 0.5475, 0.2897



21.7141, 0.5886, 0.3016



22.7198, 0.5835, 0.3585



15.1229, 0.3249, 0.3225



10.0632, 0.5835, 0.2988

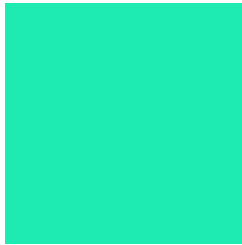


0.8061, 0.5441, 0.2771



# Previews

## White Background



This preview shows how the Yxy color 62.9070, 0.2495, 0.4100 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 62.9070, 0.2495, 0.4100 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

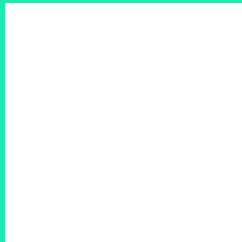
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.9070, 0.2495, 0.4100**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9070, 0.2495, 0.4100.

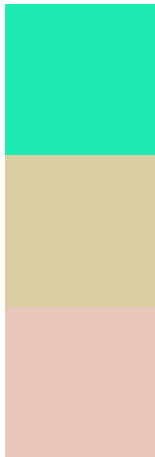


This preview shows how white text looks on a background with the Yxy color 62.9070, 0.2495, 0.4100.

# 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

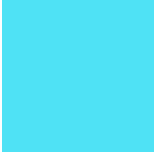
62.9070, 0.2495, 0.4100

### Protanopia

61.4030, 0.3541, 0.3765

### Deuteranopia

61.2570, 0.3503, 0.3424



## Tritanopia

62.6475, 0.2282, 0.3048

# Trichromacy



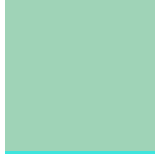
## Original Color

62.9070, 0.2495, 0.4100



## Protanomaly

58.4603, 0.2968, 0.3917



## Deuteranomaly

57.3784, 0.2940, 0.3656



## Tritanomaly

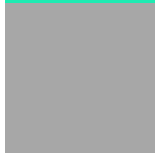
62.2512, 0.2344, 0.3394

# Monochromacy



## Original Color

62.9070, 0.2495, 0.4100



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

44.4215, 0.2720, 0.3603

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9070, 0.2495, 0.4100 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(30, 235, 178)` looks like.

```
.text, #text, p{  
    color:rgb(30, 235, 178)  
}
```

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(30, 235, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 235, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9070, 0.2495, 0.4100 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(30, 235, 178) }
```

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

```
.border{ border-color:rgb(30, 235, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 235, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 235, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 235, 178);  
box-shadow:4px 4px 4px 4px rgb(30, 235,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9070, 0.2495, 0.4100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 235, 178) }
```

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

```
.background{ background-color: rgb(30, 235,  
178) }
```

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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