

# Converting Colors

$Y_{xy}(62.0021, 0.2517, 0.4260)$

Have a look what the booklet for  
Yxy(62.0021, 0.2517, 0.4260)  
contains.

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# Color

**Yxy(62.2503, 0.2517, 0.4259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01EBA8
RGB	1, 235, 168
RGB Percent	0%, 92%, 66%
CMY	0.9959, 0.0784, 0.3412
CMYK	1.00, 0.00, 0.29, 0.08
HSL	163°, 99%, 46%
HSV	163°, 100%, 92%
XYZ	36.7889, 62.2503, 47.1226
YIQ	157.3960, -117.9570, -70.4450

# Conversions

## Conversions Part 2

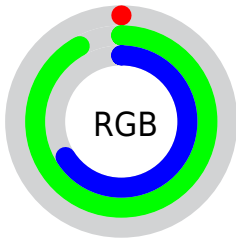
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 138, 235
Decimal	125864
CIE <sub>Lab</sub>	83.05, -62.54, 19.49
CIE <sub>LCh</sub>	83, 65.503, 162.692
Yxy	62.2503, 0.2517, 0.4259
Android (android.graphics.Color)	4278315944 (0xFF01EBA8)
YUV	157.3960, 5.2278, -137.1593
Hunter-Lab	78.8989, -54.8421, 19.8181

# Details

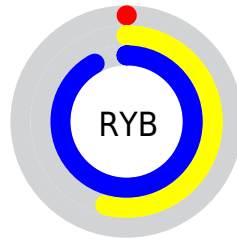
The Yxy color **62.2503, 0.2517, 0.4259** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **18.1034, 0.5835, 0.2991**, and the grayscale version is **33.9277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2272, 0.2549, 0.3676**, and **33.1017, 0.2575, 0.4468** is the 20% darker color. If you saturate the color by 10%, you get **62.2349, 0.2518, 0.4264**, and if you desaturate by 10%, it is **62.7043, 0.2503, 0.4151**.

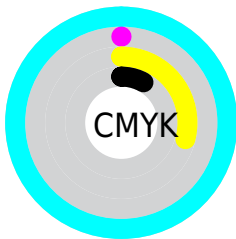
# Distribution



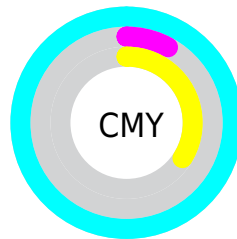
- Red (0%)
- Green (92%)
- Blue (66%)



- Red (0%)
- Yellow (54%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2503, 0.2517, 0.4259 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 62.2503, 0.2517, 0.4259 by changing the saturation by 10% instead.




 62.2503, 0.2517,  
0.4259

 62.2503, 0.2517,  
0.4259


432.8435, 0.2819,  
0.3769

 45.2350, 0.2443,  
0.4382


 108.0872, 0.2626,  
0.4080


 31.6426, 0.2349,  
0.4540

 137.6776, 0.2667,  
0.4013

 21.0886, 0.2225,  
0.4750


 172.2284, 0.2702,  
0.3957

 13.1888, 0.2056,  
0.5042

 212.1241, 0.2732,  
0.3909

 7.5587, 0.1816,  
0.5470

 257.7491, 0.2758,  
0.3867

 3.8139, 0.1450,  
0.6148

309.4877, 0.2781,

 1.5700, 0.0000,

0.3830

367.7244, 0.2801,  
0.3798

0.8820

■ 0.3372, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.2503, 0.2517,  
0.4259

■ 62.2503, 0.2517,  
0.4259

■ 62.2349, 0.2518,  
0.4264

■ 62.7043, 0.2503,  
0.4151

■ 63.4035, 0.2507,  
0.4042

■ 64.4182, 0.2530,  
0.3933

■ 65.7907, 0.2574,  
0.3825

67.5565, 0.2636,  
0.3720

69.7466, 0.2715,  
0.3620

72.3890, 0.2807,  
0.3526

75.5091, 0.2909,  
0.3439

79.1307, 0.3018,  
0.3359

# Harmonies

## Analogous

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



62.2503, 0.3276, 0.4792



62.2503, 0.2517, 0.4259



62.2503, 0.1966, 0.3364

# Triad

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



62.2503, 0.2517, 0.4259



62.2503, 0.2153, 0.2051



62.2503, 0.4761, 0.3635

# Complementary

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



62.2503, 0.2517, 0.4259



18.1034, 0.5835, 0.2991

# 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.



62.2503, 0.4403, 0.3048



62.2503, 0.2517, 0.4259



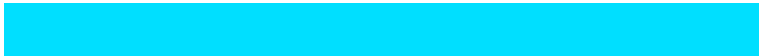
62.2503, 0.2797, 0.2187

# Square

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



62.2503, 0.2517, 0.4259



62.2503, 0.1795, 0.2173



62.2503, 0.3637, 0.2539



62.2503, 0.4597, 0.4230



# Rectangle

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



62.2503, 0.2517, 0.4259



62.2503, 0.1772, 0.2822



62.2503, 0.3637, 0.2539



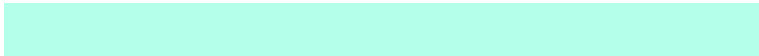
62.2503, 0.4700, 0.3435

# Sweetspot

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



62.2527, 0.2517, 0.4259



86.9327, 0.2801, 0.3531



60.7694, 0.3134, 0.5891



18.3072, 0.2761, 0.3570



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.



62.2527, 0.2517, 0.4259



74.8963, 0.2519, 0.4268



42.0621, 0.2064, 0.2628



17.0441, 0.3019, 0.3358



34.6584, 0.2513, 0.4247



2.7380, 0.2471, 0.4097



# Inverse Universe

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



18.1034, 0.5835, 0.2991



21.7414, 0.5858, 0.3001



19.7656, 0.6189, 0.3464



15.1250, 0.3248, 0.3223



10.0764, 0.5807, 0.2972

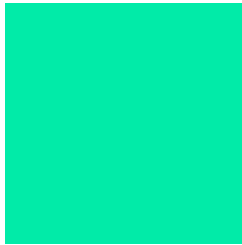


0.8073, 0.5413, 0.2755



# Previews

## White Background



This preview shows how the Yxy color 62.2503, 0.2517, 0.4259 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 62.2503, 0.2517, 0.4259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

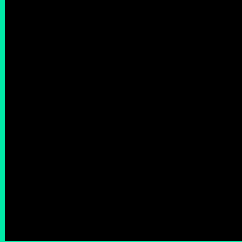
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.2503, 0.2517, 0.4259**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2503, 0.2517, 0.4259.

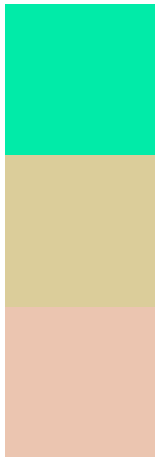


This preview shows how white text looks on a background with the Yxy color 62.2503, 0.2517, 0.4259.

# 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

62.2503, 0.2517, 0.4259

### Protanopia

61.0558, 0.3616, 0.3882

### Deuteranopia

60.7293, 0.3602, 0.3524



## Tritanopia

62.0018, 0.2280, 0.3047

# Trichromacy



## Original Color

62.2503, 0.2517, 0.4259



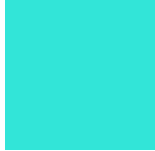
## Protanomaly

57.1904, 0.2964, 0.4072



## Deuteranomaly

56.0897, 0.2942, 0.3801



## Tritanomaly

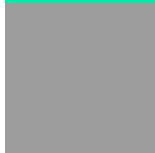
61.6746, 0.2343, 0.3463

# Monochromacy



## Original Color

62.2503, 0.2517, 0.4259



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

39.9805, 0.2666, 0.3671

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.2503, 0.2517, 0.4259 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(1, 235, 168)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 168)  
}
```

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(1, 235, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2503, 0.2517, 0.4259 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(1, 235, 168) }
```

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

```
.border{ border-color:rgb(1, 235, 168) }
```

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

Here you see how a box with a 4 pixel rgb(1, 235, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 235, 168);  
box-shadow:4px 4px 4px 4px rgb(1, 235,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2503, 0.2517, 0.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 168) }
```

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

```
.background{ background-color: rgb(1, 235,  
168) }
```

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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