

# Converting Colors

$Yxy(63.5537, 0.2586, 0.4381)$

Have a look what the booklet for  
Yxy(63.5537, 0.2586, 0.4381)  
contains.

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# Color

**Yxy(63.5537, 0.2586, 0.4381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	26EDA1
RGB	38, 237, 161
RGB Percent	15%, 93%, 63%
CMY	0.8511, 0.0706, 0.3687
CMYK	0.84, 0.00, 0.32, 0.07
HSL	157°, 85%, 54%
HSV	157°, 84%, 93%
XYZ	37.5142, 63.5537, 43.9987
YIQ	168.8350, -94.2080, -65.8240

# Conversions

## Conversions Part 2

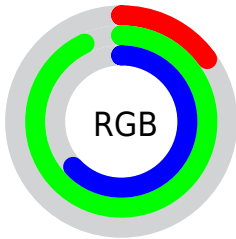
<b>Format</b>	<b>Color</b>
<b>RYB</b>	38, 161, 237
Decimal	2551201
CIELab	83.73, -63.12, 24.09
CIELCh	84, 67.558, 159.109
Yxy	63.5537, 0.2586, 0.4381
Android (android.graphics.Color)	4280741281 (0xFF26EDA1)
YUV	168.8350, -3.8627, -114.7423
Hunter-Lab	79.7206, -55.5140, 23.0816

# Details

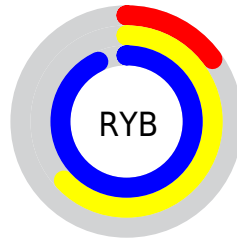
The Yxy color **63.5537, 0.2586, 0.4381** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **20.6052, 0.5012, 0.2672**, and the grayscale version is **39.6415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4709, 0.2613, 0.3762**, and **33.7466, 0.2621, 0.4635** is the 20% darker color. If you saturate the color by 10%, you get **62.9323, 0.2600, 0.4528**, and if you desaturate by 10%, it is **64.4894, 0.2592, 0.4231**.

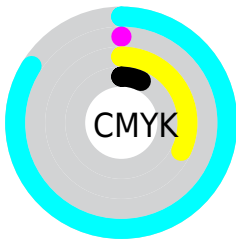
# Distribution



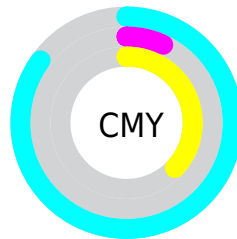
- Red (15%)
- Green (93%)
- Blue (63%)



- Red (15%)
- Yellow (63%)
- Blue (93%)



- Cyan (84%)
- Magenta (0%)
- Yellow (32%)
- Black (7%)




- Cyan (85%)
- Magenta (7%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5537, 0.2586, 0.4381 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 63.5537, 0.2586, 0.4381 by changing the saturation by 10% instead.




 63.5537, 0.2586,  
0.4381


 63.5537, 0.2586,  
0.4381

437.5762, 0.2859,  
0.3828


 46.2893, 0.2518,  
0.4520

 109.9679, 0.2686,  
0.4179


 32.4742, 0.2430,  
0.4699


 139.8866, 0.2723,  
0.4103


 21.7239, 0.2314,  
0.4937


 174.7920, 0.2754,  
0.4039

 13.6542, 0.2154,  
0.5268

 215.0688, 0.2781,  
0.3985

 7.8805, 0.1920,  
0.5752

 261.1012, 0.2805,  
0.3938

 4.0186, 0.1558,  
0.6510

313.2736, 0.2825,

 1.6840, 0.0000,

0.3896

1.0000

371.9705, 0.2843,  
0.3860

■ 0.4133, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.5537, 0.2586,  
0.4381

■ 63.5537, 0.2586,  
0.4381

■ 62.9323, 0.2600,  
0.4528


■ 64.4894, 0.2592,  
0.4231


■ 62.6622, 0.2615,  
0.4615

■ 65.7793, 0.2619,  
0.4082


■ 67.4651, 0.2665,  
0.3935


■ 69.5807, 0.2729,  
0.3795

 72.1561, 0.2805,  
0.3663

 75.2187, 0.2893,  
0.3541

 78.7936, 0.2988,  
0.3429

 82.9041, 0.3087,  
0.3327

 87.5721, 0.3188,  
0.3237

# Harmonies

## Analogous

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



63.5537, 0.3372, 0.4853



63.5537, 0.2586, 0.4381



63.5537, 0.1991, 0.3475

# Triad

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



63.5537, 0.2586, 0.4381



63.5537, 0.2074, 0.2027



63.5537, 0.4784, 0.3564

# Complementary

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



63.5537, 0.2586, 0.4381



20.6052, 0.5012, 0.2672

# 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.



63.5537, 0.4356, 0.2973



63.5537, 0.2586, 0.4381



63.5537, 0.2696, 0.2136

# Square

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



63.5537, 0.2586, 0.4381



63.5537, 0.1745, 0.2183



63.5537, 0.3542, 0.2471



63.5537, 0.4673, 0.4175



# Rectangle

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



63.5537, 0.2586, 0.4381



63.5537, 0.1769, 0.2898



63.5537, 0.3542, 0.2471



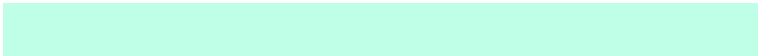
63.5537, 0.4701, 0.3362

# Sweetspot

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



63.5562, 0.2586, 0.4381



88.3785, 0.2882, 0.3554



64.3074, 0.3294, 0.5632



18.6342, 0.2851, 0.3596



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.



63.5562, 0.2586, 0.4381



73.9748, 0.2617, 0.4620



54.5114, 0.2189, 0.2977



17.0187, 0.3032, 0.3382



34.2356, 0.2609, 0.4591



2.7070, 0.2553, 0.4390



# Inverse Universe

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



20.6052, 0.5012, 0.2672



22.1306, 0.5500, 0.2804



21.5039, 0.5913, 0.3441



15.1493, 0.3233, 0.3200



10.2614, 0.5448, 0.2775

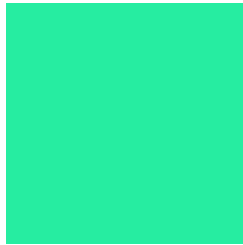


0.8240, 0.5073, 0.2569



# Previews

## White Background



This preview shows how the Yxy color 63.5537, 0.2586, 0.4381 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 63.5537, 0.2586, 0.4381 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 63.5537, 0.2586, 0.4381**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5537, 0.2586, 0.4381.

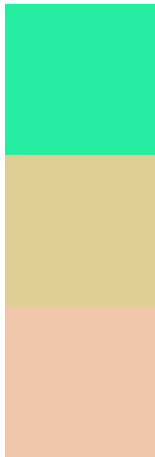


This preview shows how white text looks on a background with the Yxy color 63.5537, 0.2586, 0.4381.

# 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

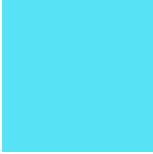
63.5537, 0.2586, 0.4381

### Protanopia

62.4517, 0.3687, 0.3964

### Deuteranopia

62.2744, 0.3686, 0.3608



## **Tritanopia**

63.0600, 0.2307, 0.3049

# Trichromacy



## Original Color

63.5537, 0.2586, 0.4381



## Protanomaly

59.5106, 0.3107, 0.4152



## Deuteranomaly

58.5940, 0.3099, 0.3888



## Tritanomaly

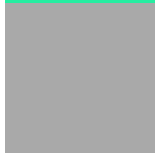
62.7508, 0.2398, 0.3502

# Monochromacy



## Original Color

63.5537, 0.2586, 0.4381



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

45.4017, 0.2780, 0.3706

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5537, 0.2586, 0.4381 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(38, 237, 161)` looks like.

```
.text, #text, p{  
    color:rgb(38, 237, 161)  
}
```

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(38, 237, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 237, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5537, 0.2586, 0.4381 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(38, 237, 161) }
```

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

```
.border{ border-color:rgb(38, 237, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 237, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 237, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 237, 161);  
box-shadow:4px 4px 4px 4px rgb(38, 237,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5537, 0.2586, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 237, 161) }
```

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

```
.background{ background-color: rgb(38, 237,  
161) }
```

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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