

# Converting Colors

$Y_{xy}(57.3309, 0.2861, 0.5342)$

Have a look what the booklet for  
Yxy(57.3309, 0.2861, 0.5342)  
contains.

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# Color

**Yxy(57.1690, 0.2860, 0.5337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24E55B
RGB	36, 229, 91
RGB Percent	14%, 90%, 36%
CMY	0.8586, 0.1019, 0.6432
CMYK	0.84, 0.00, 0.60, 0.10
HSL	137°, 79%, 52%
HSV	137°, 84%, 90%
XYZ	30.6358, 57.1690, 19.3134
YIQ	155.5610, -70.7300, -83.8340

# Conversions

## Conversions Part 2

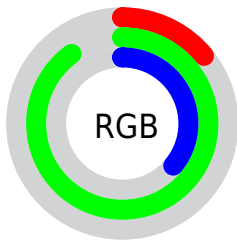
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 186, 229
Decimal	2418011
CIE <sub>Lab</sub>	80.27, -72.16, 53.62
CIE <sub>LCh</sub>	80, 89.896, 143.385
Yxy	57.1690, 0.2860, 0.5337
Android (android.graphics.Color)	4280608091 (0xFF24E55B)
YUV	155.5610, -31.8286, -104.8550
Hunter-Lab	75.6102, -59.9930, 37.7824

# Details

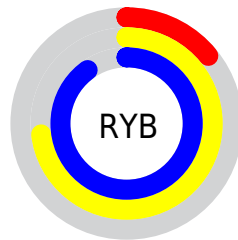
The Yxy color **57.1690, 0.2860, 0.5337** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **20.9821, 0.3920, 0.2026**, and the grayscale version is **33.2150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4159, 0.2931, 0.4694**, and **29.6264, 0.2941, 0.5787** is the 20% darker color. If you saturate the color by 10%, you get **56.6296, 0.2886, 0.5550**, and if you desaturate by 10%, it is **58.0379, 0.2850, 0.5090**.

# Distribution



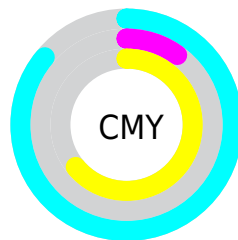
- Red (14%)
- Green (90%)
- Blue (36%)



- Red (14%)
- Yellow (73%)
- Blue (90%)



- Cyan (84%)
- Magenta (0%)
- Yellow (60%)
- Black (10%)




- Cyan (86%)
- Magenta (10%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1690, 0.2860, 0.5337 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 57.1690, 0.2860, 0.5337 by changing the saturation by 10% instead.




 57.1690, 0.2860,  
0.5337

 57.1690, 0.2860,  
0.5337


414.0823, 0.3054,  
0.4263


 41.1409, 0.2792,  
0.5610


 100.7117, 0.2945,  
0.4940

 28.4292, 0.2693,  
0.5959


 128.9952, 0.2973,  
0.4793


 18.6495, 0.2544,  
0.6412


 162.1326, 0.2995,  
0.4668

 11.4173, 0.2309,  
0.7007

 200.5083, 0.3012,  
0.4563

 6.3482, 0.1981,  
0.8019

 244.5067, 0.3026,  
0.4472

 3.0580, 0.1084,  
0.8916

294.5123, 0.3037,

 1.1621, 0.0000,

0.4393

1.0000

350.9093, 0.3046,  
0.4324

■ 0.0304, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.1690, 0.2860,  
0.5337

■ 57.1690, 0.2860,  
0.5337

■ 56.6296, 0.2886,  
0.5550

■ 58.0379, 0.2850,  
0.5090

■ 56.4242, 0.2904,  
0.5654


■ 59.2763, 0.2855,  
0.4821


■ 60.9258, 0.2876,  
0.4544


■ 63.0201, 0.2909,  
0.4272

 65.5897, 0.2951,  
0.4014

 68.6621, 0.3000,  
0.3775

 72.2627, 0.3052,  
0.3558

 76.4153, 0.3105,  
0.3365

 81.1420, 0.3157,  
0.3195

# Harmonies

## Analogous

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



57.1690, 0.3893, 0.5364



57.1690, 0.2860, 0.5337



57.1690, 0.1949, 0.4243

# Triad

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



57.1690, 0.2860, 0.5337



57.1690, 0.1508, 0.1712



57.1690, 0.5175, 0.3160

# Complementary

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



57.1690, 0.2860, 0.5337



20.9821, 0.3920, 0.2026

# 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.



57.1690, 0.4252, 0.2493



57.1690, 0.2860, 0.5337



57.1690, 0.2074, 0.1703

# Square

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



57.1690, 0.2860, 0.5337



57.1690, 0.1296, 0.2065



57.1690, 0.3039, 0.1977



57.1690, 0.5335, 0.3898



# Rectangle

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



57.1690, 0.2860, 0.5337



57.1690, 0.1548, 0.3312



57.1690, 0.3039, 0.1977



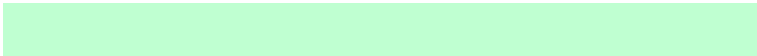
57.1690, 0.4939, 0.2928

# Sweetspot

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



57.1713, 0.2860, 0.5337



87.2521, 0.2995, 0.3795



65.2050, 0.3732, 0.5305



18.3673, 0.2978, 0.3878



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.



57.1713, 0.2860, 0.5337



71.9957, 0.2906, 0.5663



60.0126, 0.2443, 0.3885



16.1563, 0.3077, 0.3463



32.2776, 0.2897, 0.5627



2.4008, 0.2816, 0.5337



# Inverse Universe

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



20.9821, 0.3920, 0.2026



24.6540, 0.4110, 0.2038



18.4714, 0.5560, 0.2993



14.5416, 0.3181, 0.3123



11.0743, 0.4086, 0.2025

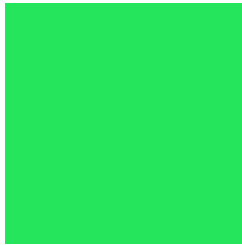


0.8341, 0.3928, 0.1938



# Previews

## White Background



This preview shows how the Yxy color 57.1690, 0.2860, 0.5337 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 57.1690, 0.2860, 0.5337 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

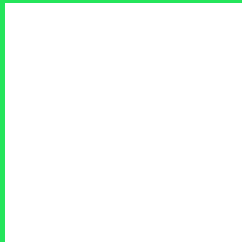
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.1690, 0.2860, 0.5337**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1690, 0.2860, 0.5337.

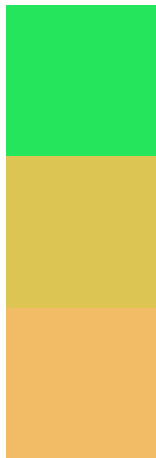


This preview shows how white text looks on a background with the Yxy color 57.1690, 0.2860, 0.5337.

# 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

57.1690, 0.2860, 0.5337

### Protanopia

55.7573, 0.4153, 0.4540

### Deuteranopia

55.8230, 0.4274, 0.4182



## Tritanopia

56.9139, 0.2354, 0.3066

# Trichromacy



## Original Color

57.1690, 0.2860, 0.5337



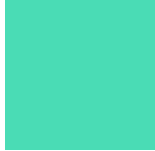
## Protanomaly

53.0291, 0.3497, 0.4935



## Deuteranomaly

51.8282, 0.3559, 0.4665



## Tritanomaly

55.9784, 0.2529, 0.3852

# Monochromacy



## Original Color

57.1690, 0.2860, 0.5337



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

38.9777, 0.2935, 0.4118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1690, 0.2860, 0.5337 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(36, 229, 91)` looks like.

```
.text, #text, p{  
    color:rgb(36, 229, 91)  
}
```

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(36, 229, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 229, 91) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1690, 0.2860, 0.5337 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(36, 229, 91) }
```

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

```
.border{ border-color:rgb(36, 229, 91) }
```

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

Here you see how a box with a 4 pixel rgb(36, 229, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 229, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 229, 91);  
box-shadow:4px 4px 4px 4px rgb(36, 229,  
91) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1690, 0.2860, 0.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 229, 91) }
```

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

```
.background{ background-color: rgb(36, 229,  
91) }
```

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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