

# Converting Colors

$Y_{xy}(60.9489, 0.2975, 0.5825)$

Have a look what the booklet for  
Yxy(60.9489, 0.2975, 0.5825)  
contains.

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**Color**

**Yxy(60.9520, 0.2974, 0.5822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18ED2D
RGB	24, 237, 45
RGB Percent	9%, 93%, 18%
CMY	0.9056, 0.0706, 0.8236
CMYK	0.90, 0.00, 0.81, 0.07
HSL	126°, 86%, 51%
HSV	126°, 90%, 93%
XYZ	31.1356, 60.9520, 12.6050
YIQ	151.4250, -65.3160, -104.8680

# Conversions

## Conversions Part 2

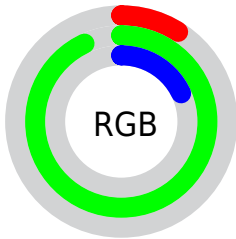
<b>Format</b>	<b>Color</b>
<b>RYB</b>	24, 218, 237
Decimal	1633581
CIELab	82.35, -79.26, 72.10
CIELCh	82, 107.147, 137.709
Yxy	60.9520, 0.2974, 0.5822
Android (android.graphics.Color)	4279823661 (0xFF18ED2D)
YUV	151.4250, -52.4675, -111.7517
Hunter-Lab	78.0718, -65.4385, 45.0776

# Details

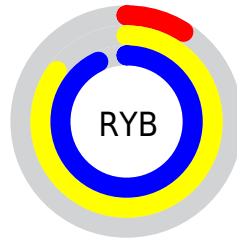
The Yxy color **60.9520, 0.2974, 0.5822** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **23.6234, 0.3445, 0.1707**, and the grayscale version is **31.4003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4331, 0.3089, 0.5145**, and **32.2402, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.6368, 0.2984, 0.5943**, and if you desaturate by 10%, it is **61.5906, 0.2968, 0.5627**.

# Distribution



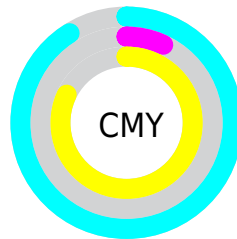
- Red (9%)
- Green (93%)
- Blue (18%)



- Red (9%)
- Yellow (85%)
- Blue (93%)



- Cyan (90%)
- Magenta (0%)
- Yellow (81%)
- Black (7%)




- Cyan (91%)
- Magenta (7%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.9520, 0.2974, 0.5822 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 60.9520, 0.2974, 0.5822 by changing the saturation by 10% instead.




 60.9520, 0.2974,  
0.5822


 60.9520, 0.2974,  
0.5822


428.0980, 0.3159,  
0.4523

 44.1864, 0.2894,  
0.6131

 106.2094, 0.3067,  
0.5356

 30.8171, 0.2773,  
0.6509


 135.4701, 0.3095,  
0.5178


 20.4596, 0.2587,  
0.6969


 169.6646, 0.3114,  
0.5026

 12.7296, 0.2330,  
0.7631

 209.1772, 0.3129,  
0.4897

 7.2426, 0.1845,  
0.8155

 254.3925, 0.3140,  
0.4784

 3.6143, 0.1035,  
0.8965

305.6948, 0.3148,

 1.4602, 0.0000,

0.4686

1.0000

363.4685, 0.3154,  
0.4599

■ 0.2605, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.9520, 0.2974,  
0.5822

■ 60.9520, 0.2974,  
0.5822

■ 60.6368, 0.2984,  
0.5943


■ 61.5906, 0.2968,  
0.5627

■ 60.6330, 0.2985,  
0.5944


■ 62.6278, 0.2970,  
0.5365

■ 64.1187, 0.2980,  
0.5057


■ 66.1077, 0.2998,  
0.4726

 68.6340, 0.3021,  
0.4393

 71.7326, 0.3047,  
0.4075

 75.4359, 0.3074,  
0.3782

 79.7736, 0.3101,  
0.3519

 84.7736, 0.3128,  
0.3287

# Harmonies

## Analogous

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



60.9520, 0.4116, 0.5506



60.9520, 0.2974, 0.5822



60.9520, 0.1922, 0.4735

# Triad

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



60.9520, 0.2974, 0.5822



60.9520, 0.1256, 0.1560



60.9520, 0.5356, 0.2950

# Complementary

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



60.9520, 0.2974, 0.5822



23.6234, 0.3445, 0.1707

# 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.



60.9520, 0.4157, 0.2256



60.9520, 0.2974, 0.5822



60.9520, 0.1781, 0.1501

# Square

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



60.9520, 0.2974, 0.5822



60.9520, 0.1090, 0.2007



60.9520, 0.2768, 0.1742



60.9520, 0.5666, 0.3722



# Rectangle

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



60.9520, 0.2974, 0.5822



60.9520, 0.1435, 0.3584



60.9520, 0.2768, 0.1742



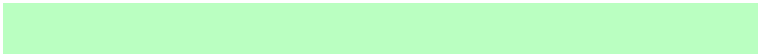
60.9520, 0.5032, 0.2708

# Sweetspot

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



60.9545, 0.2974, 0.5822



85.8243, 0.3054, 0.3992



75.7365, 0.4042, 0.5124



18.0704, 0.3045, 0.4096



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.



60.9545, 0.2974, 0.5822



71.5904, 0.2985, 0.5947



62.9122, 0.2624, 0.4581



16.8862, 0.3102, 0.3509



33.1111, 0.2981, 0.5931



2.6082, 0.2936, 0.5770



# Inverse Universe

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



23.6234, 0.3445, 0.1707



26.9701, 0.3479, 0.1690



19.8489, 0.5066, 0.2631



15.2868, 0.3153, 0.3080



12.4835, 0.3473, 0.1687

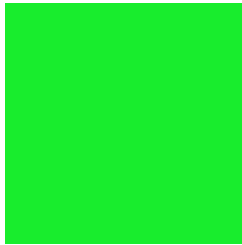


0.9877, 0.3432, 0.1664



# Previews

## White Background



This preview shows how the Yxy color 60.9520, 0.2974, 0.5822 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 60.9520, 0.2974, 0.5822 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 60.9520, 0.2974, 0.5822**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.9520, 0.2974, 0.5822.

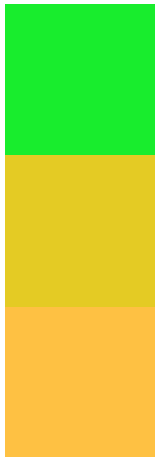


This preview shows how white text looks on a background with the Yxy color 60.9520, 0.2974, 0.5822.

# 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

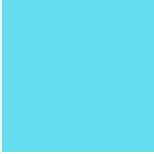
60.9520, 0.2974, 0.5822

### Protanopia

59.3332, 0.4353, 0.4812

### Deuteranopia

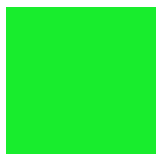
59.6160, 0.4543, 0.4443



## **Tritanopia**

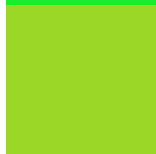
60.6542, 0.2355, 0.3059

# Trichromacy



## Original Color

60.9520, 0.2974, 0.5822



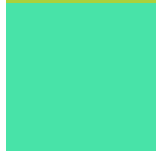
## Protanomaly

55.6174, 0.3644, 0.5334



## Deuteranomaly

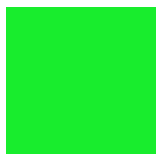
54.4627, 0.3748, 0.5082



## Tritanomaly

59.1430, 0.2605, 0.4140

# Monochromacy



## Original Color

60.9520, 0.2974, 0.5822



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

37.6290, 0.3020, 0.4461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.9520, 0.2974, 0.5822 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(24, 237, 45)` looks like.

```
.text, #text, p{  
    color:rgb(24, 237, 45)  
}
```

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(24, 237, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 237, 45) }
```

## Border

The CSS property to change the border of an element to Yxy 60.9520, 0.2974, 0.5822 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(24, 237, 45) }
```

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

```
.border{ border-color:rgb(24, 237, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 237, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 237, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 237, 45);  
box-shadow:4px 4px 4px 4px rgb(24, 237,  
45) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.9520, 0.2974, 0.5822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 237, 45) }
```

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

```
.background{ background-color: rgb(24, 237,  
45) }
```

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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