

# Converting Colors

Yxy(54.0033, 0.3029, 0.5828)

Have a look what the booklet for  
Yxy(54.0033, 0.3029, 0.5828)  
contains.

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**Color**

**Yxy(53.9966, 0.3028, 0.5827)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DE024
RGB	45, 224, 36
RGB Percent	18%, 88%, 14%
CMY	0.8231, 0.1216, 0.8589
CMYK	0.80, 0.00, 0.84, 0.12
HSL	117°, 75%, 51%
HSV	117°, 84%, 88%
XYZ	28.0593, 53.9966, 10.6103
YIQ	149.0470, -46.3360, -96.4160

# Conversions

## Conversions Part 2

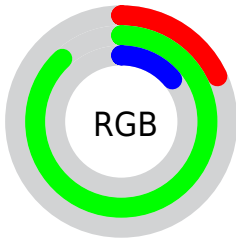
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 224, 215
Decimal	3006500
CIELab	78.46, -74.23, 70.83
CIELCh	78, 102.596, 136.343
Yxy	53.9966, 0.3028, 0.5827
Android (android.graphics.Color)	4281196580 (0xFF2DE024)
YUV	149.0470, -55.7322, -91.2492
Hunter-Lab	73.4824, -60.4337, 42.8767

# Details

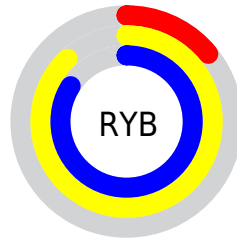
The Yxy color **53.9966, 0.3028, 0.5827** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **21.0711, 0.3105, 0.1555**, and the grayscale version is **30.3424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7252, 0.3143, 0.5201**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.5336, 0.3013, 0.5952**, and if you desaturate by 10%, it is **54.7935, 0.3045, 0.5616**.

# Distribution



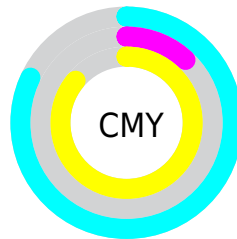
- Red (18%)
- Green (88%)
- Blue (14%)



- Red (14%)
- Yellow (88%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (84%)
- Black (12%)




- Cyan (82%)
- Magenta (12%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9966, 0.3028, 0.5827 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 53.9966, 0.3028, 0.5827 by changing the saturation by 10% instead.





 53.9966, 0.3028,  
0.5827


 53.9966, 0.3028,  
0.5827


402.0970, 0.3191,  
0.4505


 38.5989, 0.2947,  
0.6146


 96.0693, 0.3117,  
0.5348


 26.4479, 0.2822,  
0.6537


 123.5130, 0.3142,  
0.5167


 17.1590, 0.2623,  
0.7013


 155.7410, 0.3159,  
0.5013

 10.3479, 0.2331,  
0.7669

 193.1375, 0.3170,  
0.4882

 5.6302, 0.1794,  
0.8206

 236.0870, 0.3179,  
0.4768

 2.6216, 0.0474,  
0.9526

 284.9738, 0.3185,


 0.9375, 0.0000,

0.4669


1.0000


340.1823, 0.3189,  
0.4582


 0.0000, 0.0000,  
0.0000


 53.9966, 0.3028,  
0.5827


 53.9966, 0.3028,  
0.5827


 53.5336, 0.3013,  
0.5952

 54.7935, 0.3045,  
0.5616

 53.3816, 0.3008,  
0.5994

 55.9637, 0.3062,  
0.5333

 57.5482, 0.3078,  
0.5000

 59.5810, 0.3092,  
0.4646

 62.0925, 0.3104,  
0.4294

■ 65.1104, 0.3113,  
0.3961

■ 68.6605, 0.3120,  
0.3657

■ 72.7666, 0.3126,  
0.3387

■ 77.4511, 0.3129,  
0.3150

# Harmonies

## Analogous

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



53.9966, 0.4166, 0.5466



53.9966, 0.3028, 0.5827



53.9966, 0.1967, 0.4806

# Triad

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



53.9966, 0.3028, 0.5827



53.9966, 0.1245, 0.1574



53.9966, 0.5312, 0.2918

# Complementary

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



53.9966, 0.3028, 0.5827



21.0711, 0.3105, 0.1555

# 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.



53.9966, 0.4089, 0.2230



53.9966, 0.3028, 0.5827



53.9966, 0.1751, 0.1500

# Square

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



53.9966, 0.3028, 0.5827



53.9966, 0.1094, 0.2043



53.9966, 0.2714, 0.1728



53.9966, 0.5668, 0.3686



# Rectangle

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



53.9966, 0.3028, 0.5827



53.9966, 0.1465, 0.3659



53.9966, 0.2714, 0.1728



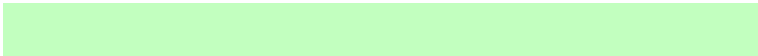
53.9966, 0.4975, 0.2677

# Sweetspot

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



53.9988, 0.3028, 0.5827



86.8074, 0.3112, 0.4001



64.3715, 0.4224, 0.4921



18.2632, 0.3109, 0.4117



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.



53.9988, 0.3028, 0.5827



71.6009, 0.3007, 0.5994



55.0565, 0.2731, 0.4880



15.3688, 0.3123, 0.3532



31.0861, 0.3011, 0.5991



2.1661, 0.3043, 0.5966



# Inverse Universe

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



21.0711, 0.3105, 0.1555



26.2087, 0.3086, 0.1474



18.9835, 0.4431, 0.2333



13.9000, 0.3130, 0.3059



11.3932, 0.3089, 0.1475

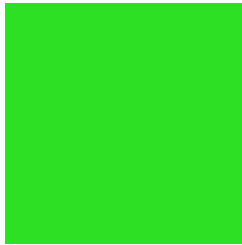


0.8003, 0.3108, 0.1486



# Previews

## White Background



This preview shows how the Yxy color 53.9966, 0.3028, 0.5827 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 53.9966, 0.3028, 0.5827 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 53.9966, 0.3028, 0.5827**

## Background



This preview shows how black text looks on a background with the Yxy color 53.9966, 0.3028, 0.5827.



This preview shows how white text looks on a background with the Yxy color 53.9966, 0.3028, 0.5827.

# 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

53.9966, 0.3028, 0.5827

### Protanopia

52.9708, 0.4369, 0.4833

### Deuteranopia

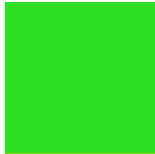
52.4724, 0.4570, 0.4458



## Tritanopia

53.3728, 0.2388, 0.3061

# Trichromacy



## Original Color

53.9966, 0.3028, 0.5827



## Protanomaly

50.1495, 0.3726, 0.5315



## Deuteranomaly

48.7176, 0.3851, 0.5052



## Tritanomaly

52.2428, 0.2666, 0.4164

# Monochromacy



## Original Color

53.9966, 0.3028, 0.5827



## Achromatopsia

30.0544, 0.3127, 0.3290



## Achromatomaly

35.5129, 0.3097, 0.4437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9966, 0.3028, 0.5827 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(45, 224, 36)` looks like.

```
.text, #text, p{  
    color:rgb(45, 224, 36)  
}
```

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(45, 224, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 224, 36) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9966, 0.3028, 0.5827 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(45, 224, 36) }
```

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

```
.border{ border-color:rgb(45, 224, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 224, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 224, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 224, 36);  
box-shadow:4px 4px 4px 4px rgb(45, 224,  
36) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9966, 0.3028, 0.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 224, 36) }
```

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

```
.background{ background-color: rgb(45, 224,  
36) }
```

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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