

# Converting Colors

$Yxy(53.0123, 0.2802, 0.5137)$

Have a look what the booklet for  
Yxy(53.0123, 0.2802, 0.5137)  
contains.

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# Color

**Yxy(53.0123, 0.2802, 0.5137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22DD66
RGB	34, 221, 102
RGB Percent	13%, 87%, 40%
CMY	0.8662, 0.1333, 0.6001
CMYK	0.85, 0.00, 0.54, 0.13
HSL	142°, 73%, 50%
HSV	142°, 85%, 87%
XYZ	28.9158, 53.0123, 21.2689
YIQ	151.5210, -73.2530, -76.6530

# Conversions

## Conversions Part 2

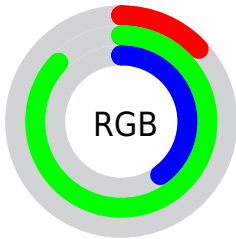
Format	Color
<a href="#">RYB</a>	<a href="#">34, 171, 221</a>
Decimal	<a href="#">2284902</a>
CIELab	<a href="#">77.88, -68.38, 45.82</a>
CIElCh	<a href="#">78, 82.316, 146.176</a>
Yxy	<a href="#">53.0123, 0.2802, 0.5137</a>
Android (android.graphics.Color)	<a href="#">4280474982</a> ( <a href="#">0xFF22DD66</a> )
YUV	<a href="#">151.5210, -24.4139, -103.0659</a>
Hunter-Lab	<a href="#">72.8095, -56.5267, 33.6471</a>

# Details

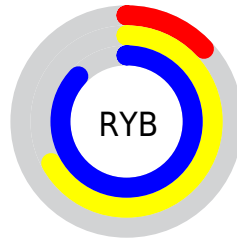
The Yxy color **53.0123, 0.2802, 0.5137** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **18.8285, 0.4160, 0.2166**, and the grayscale version is **31.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5314, 0.2873, 0.4569**, and **26.7812, 0.2880, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **52.4947, 0.2829, 0.5349**, and if you desaturate by 10%, it is **53.8228, 0.2792, 0.4902**.

# Distribution



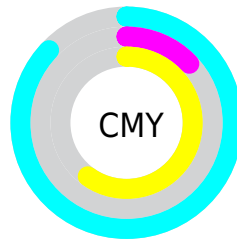
- Red (13%)
- Green (87%)
- Blue (40%)



- Red (13%)
- Yellow (67%)
- Blue (87%)



- Cyan (85%)
- Magenta (0%)
- Yellow (54%)
- Black (13%)




- Cyan (87%)
- Magenta (13%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0123, 0.2802, 0.5137 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 53.0123, 0.2802, 0.5137 by changing the saturation by 10% instead.





 53.0123, 0.2802,  
0.5137

 53.0123, 0.2802,  
0.5137


398.3323, 0.3013,  
0.4155


 37.8126, 0.2733,  
0.5394


 94.6225, 0.2890,  
0.4770


 25.8373, 0.2636,  
0.5727


 121.8017, 0.2920,  
0.4635


 16.7019, 0.2491,  
0.6171


 153.7429, 0.2944,  
0.4522

 10.0222, 0.2262,  
0.6777

 190.8305, 0.2963,  
0.4426

 5.4137, 0.1938,  
0.7834

 233.4488, 0.2979,  
0.4344

 2.4920, 0.0785,  
0.9215

281.9823, 0.2992,


 0.8726, 0.0000,


0.4272

1.0000


336.8153, 0.3003,  
0.4210


 0.0000, 0.0000,  
0.0000


 53.0123, 0.2802,  
0.5137


 53.0123, 0.2802,  
0.5137


 52.4947, 0.2829,  
0.5349

 53.8228, 0.2792,  
0.4902


 52.2963, 0.2848,  
0.5453


 54.9619, 0.2801,  
0.4656


 56.4668, 0.2826,  
0.4407


 58.3675, 0.2865,  
0.4165

 60.6912, 0.2915,  
0.3936

 63.4624, 0.2972,  
0.3725

 66.7036, 0.3034,  
0.3533

 70.4360, 0.3098,  
0.3362

 74.6793, 0.3162,  
0.3210

# Harmonies

## Analogous

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



53.0123, 0.3789, 0.5286



53.0123, 0.2802, 0.5137



53.0123, 0.1954, 0.4060

# Triad

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



53.0123, 0.2802, 0.5137



53.0123, 0.1617, 0.1772



53.0123, 0.5103, 0.3247

# Complementary

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



53.0123, 0.2802, 0.5137



18.8285, 0.4160, 0.2166

# 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.



53.0123, 0.4289, 0.2592



53.0123, 0.2802, 0.5137



53.0123, 0.2199, 0.1788

# Square

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



53.0123, 0.2802, 0.5137



53.0123, 0.1382, 0.2085



53.0123, 0.3151, 0.2075



53.0123, 0.5201, 0.3967



# Rectangle

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



53.0123, 0.2802, 0.5137



53.0123, 0.1589, 0.3210



53.0123, 0.3151, 0.2075



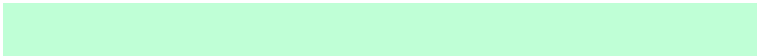
53.0123, 0.4902, 0.3019

# Sweetspot

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



53.0145, 0.2802, 0.5137



87.5040, 0.2969, 0.3738



58.8573, 0.3635, 0.5379



18.4265, 0.2948, 0.3811



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.



53.0145, 0.2802, 0.5137



72.3028, 0.2852, 0.5467



55.9047, 0.2388, 0.3693



14.6840, 0.3067, 0.3443



30.3991, 0.2840, 0.5425



1.9856, 0.2747, 0.5090



# Inverse Universe

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



18.8285, 0.4160, 0.2166



23.8838, 0.4420, 0.2208



16.8729, 0.5755, 0.3106



13.1904, 0.3193, 0.3142



10.0655, 0.4384, 0.2189

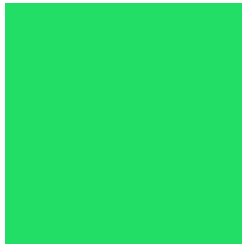


0.6684, 0.4143, 0.2056



# Previews

## White Background



This preview shows how the Yxy color 53.0123, 0.2802, 0.5137 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 53.0123, 0.2802, 0.5137 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 53.0123, 0.2802, 0.5137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0123, 0.2802, 0.5137.



This preview shows how white text looks on a background with the Yxy color 53.0123, 0.2802, 0.5137.

# 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

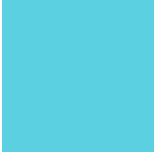
53.0123, 0.2802, 0.5137

### Protanopia

51.8832, 0.4055, 0.4436

### Deuteranopia

51.7816, 0.4160, 0.4069



## **Tritanopia**

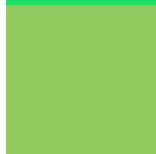
52.7721, 0.2345, 0.3059

# Trichromacy



## Original Color

53.0123, 0.2802, 0.5137



## Protanomaly

49.2886, 0.3415, 0.4773



## Deuteranomaly

48.0361, 0.3469, 0.4511



## Tritanomaly

52.1859, 0.2501, 0.3777

# Monochromacy



## Original Color

53.0123, 0.2802, 0.5137



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

36.4167, 0.2895, 0.4004

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0123, 0.2802, 0.5137 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(34, 221, 102)` looks like.

```
.text, #text, p{  
    color:rgb(34, 221, 102)  
}
```

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(34, 221, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 221, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0123, 0.2802, 0.5137 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(34, 221, 102) }
```

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

```
.border{ border-color:rgb(34, 221, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 221, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 221, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 221, 102);  
box-shadow:4px 4px 4px 4px rgb(34, 221,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0123, 0.2802, 0.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 221, 102) }
```

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

```
.background{ background-color: rgb(34, 221,  
102) }
```

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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