

# Converting Colors

$Yxy(56.8195, 0.2595, 0.4448)$

Have a look what the booklet for  
Yxy(56.8195, 0.2595, 0.4448)  
contains.

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# Color

**Yxy(56.8238, 0.2596, 0.4453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1DE295
RGB	29, 226, 149
RGB Percent	11%, 89%, 58%
CMY	0.8864, 0.1137, 0.4157
CMYK	0.87, 0.00, 0.34, 0.11
HSL	157°, 77%, 50%
HSV	157°, 87%, 89%
XYZ	33.1270, 56.8238, 37.6571
YIQ	158.3190, -92.6950, -65.7110

# Conversions

## Conversions Part 2

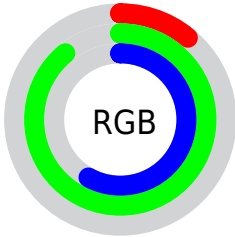
Format	Color
R <sub>Y</sub> B	29, 151, 226
Decimal	1958549
CIE Lab	80.08, -62.27, 25.27
CIE LCh	80, 67.200, 157.912
Yxy	56.8238, 0.2596, 0.4453
Android (android.graphics.Color)	4280148629 (0xFF1DE295)
YUV	158.3190, -4.5943, -113.4128
Hunter-Lab	75.3816, -53.4745, 23.1486

# Details

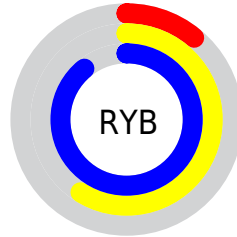
The Yxy color **56.8238, 0.2596, 0.4453** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **18.0862, 0.5075, 0.2668**, and the grayscale version is **34.3930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4092, 0.2649, 0.3933**, and **29.2578, 0.2644, 0.4720** is the 20% darker color. If you saturate the color by 10%, you get **56.3349, 0.2616, 0.4602**, and if you desaturate by 10%, it is **57.5768, 0.2595, 0.4301**.

# Distribution



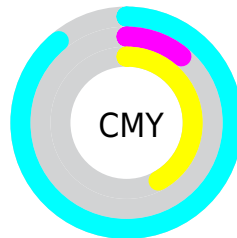
- Red (11%)
- Green (89%)
- Blue (58%)



- Red (11%)
- Yellow (59%)
- Blue (89%)



- Cyan (87%)
- Magenta (0%)
- Yellow (34%)
- Black (11%)



- Cyan (89%)
- Magenta (11%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8238, 0.2596, 0.4453 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 56.8238, 0.2596, 0.4453 by changing the saturation by 10% instead.





 56.8238, 0.2596,  
0.4453


 56.8238, 0.2596,  
0.4453


412.7887, 0.2872,  
0.3850

 40.8638, 0.2525,  
0.4609

 100.2080, 0.2698,  
0.4230


 28.2127, 0.2431,  
0.4812


 128.4011, 0.2736,  
0.4147

 18.4860, 0.2306,  
0.5085


 161.4406, 0.2768,  
0.4078

 11.2995, 0.2128,  
0.5471

 199.7109, 0.2795,  
0.4019

 6.2687, 0.1861,  
0.6050

 243.5965, 0.2818,  
0.3968

 3.0091, 0.1393,  
0.7071

293.4817, 0.2838,

 1.1365, 0.0000,

0.3924

1.0000

349.7510, 0.2856,  
0.3885

■ 0.0089, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.8238, 0.2596,  
0.4453

■ 56.8238, 0.2596,  
0.4453

■ 56.3349, 0.2616,  
0.4602

■ 57.5768, 0.2595,  
0.4301


■ 56.2213, 0.2623,  
0.4643

■ 58.6354, 0.2616,  
0.4147


■ 60.0386, 0.2655,  
0.3996

■ 61.8177, 0.2712,  
0.3851

 64.0005, 0.2784,  
0.3713

 66.6121, 0.2868,  
0.3585

 69.6754, 0.2959,  
0.3467

 73.2118, 0.3056,  
0.3360

 77.2412, 0.3155,  
0.3264

# Harmonies

## Analogous

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



56.8238, 0.3407, 0.4912



56.8238, 0.2596, 0.4453



56.8238, 0.1976, 0.3517

# Triad

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



56.8238, 0.2596, 0.4453



56.8238, 0.2025, 0.1994



56.8238, 0.4829, 0.3540

# Complementary

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



56.8238, 0.2596, 0.4453



18.0862, 0.5075, 0.2668

# 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.



56.8238, 0.4368, 0.2939



56.8238, 0.2596, 0.4453



56.8238, 0.2651, 0.2097

# Square

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



56.8238, 0.2596, 0.4453



56.8238, 0.1702, 0.2163



56.8238, 0.3517, 0.2431



56.8238, 0.4730, 0.4167

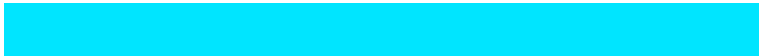


# Rectangle

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



56.8238, 0.2596, 0.4453



56.8238, 0.1741, 0.2914



56.8238, 0.3517, 0.2431



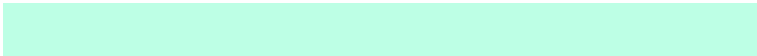
56.8238, 0.4736, 0.3334

# Sweetspot

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



56.8261, 0.2596, 0.4453



87.9627, 0.2876, 0.3572



57.6581, 0.3300, 0.5666



18.5528, 0.2846, 0.3616



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.



56.8261, 0.2596, 0.4453



73.8984, 0.2626, 0.4653



50.0393, 0.2190, 0.3012



15.4769, 0.3034, 0.3383



32.0967, 0.2617, 0.4620



2.2422, 0.2553, 0.4391



# Inverse Universe

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



18.0862, 0.5075, 0.2668



22.1733, 0.5464, 0.2784



18.4268, 0.6040, 0.3407



13.7888, 0.3231, 0.3199



9.6509, 0.5407, 0.2752

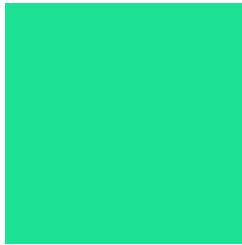


0.6862, 0.4995, 0.2525



# Previews

## White Background



This preview shows how the Yxy color 56.8238, 0.2596, 0.4453 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 56.8238, 0.2596, 0.4453 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

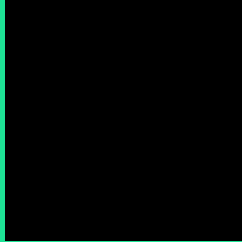
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.8238, 0.2596, 0.4453**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.8238, 0.2596, 0.4453.

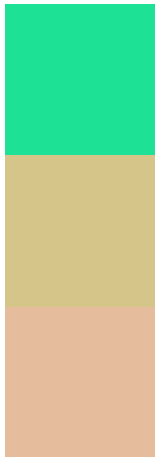


This preview shows how white text looks on a background with the Yxy color 56.8238, 0.2596, 0.4453.

# 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

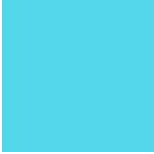
56.8238, 0.2596, 0.4453

### Protanopia

55.8562, 0.3729, 0.4017

### Deuteranopia

55.4875, 0.3731, 0.3657



## **Tritanopia**

56.8339, 0.2309, 0.3064

# Trichromacy



## Original Color

56.8238, 0.2596, 0.4453



## Protanomaly

53.1458, 0.3119, 0.4226



## Deuteranomaly

51.6421, 0.3111, 0.3951



## Tritanomaly

56.5074, 0.2400, 0.3541

# Monochromacy



## Original Color

56.8238, 0.2596, 0.4453



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

39.6130, 0.2771, 0.3733

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8238, 0.2596, 0.4453 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(29, 226, 149)` looks like.

```
.text, #text, p{  
    color:rgb(29, 226, 149)  
}
```

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(29, 226, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 226, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8238, 0.2596, 0.4453 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(29, 226, 149) }
```

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

```
.border{ border-color:rgb(29, 226, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 226, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 226, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 226, 149);  
box-shadow:4px 4px 4px 4px rgb(29, 226,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8238, 0.2596, 0.4453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 226, 149) }
```

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

```
.background{ background-color: rgb(29, 226,  
149) }
```

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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