

# Converting Colors

$Yxy(54.8876, 0.2619, 0.4495)$

Have a look what the booklet for  
Yxy(54.8876, 0.2619, 0.4495)  
contains.

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# Color

**Yxy(55.1463, 0.2620, 0.4498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23DF90
RGB	35, 223, 144
RGB Percent	14%, 87%, 56%
CMY	0.8616, 0.1255, 0.4353
CMYK	0.84, 0.00, 0.35, 0.13
HSL	155°, 75%, 51%
HSV	155°, 84%, 87%
XYZ	32.1217, 55.1463, 35.3338
YIQ	157.7820, -86.6890, -64.4250

# Conversions

## Conversions Part 2

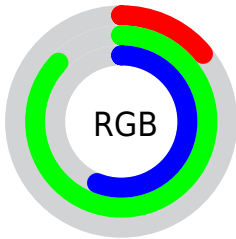
Format	Color
<b>RYB</b>	35, 154, 223
Decimal	2350992
CIELab	79.13, -61.75, 26.57
CIELCh	79, 67.222, 156.717
Yxy	55.1463, 0.2620, 0.4498
Android (android.graphics.Color)	4280541072 (0xFF23DF90)
YUV	157.7820, -6.7945, -107.6798
Hunter-Lab	74.2606, -52.7451, 23.7717

# Details

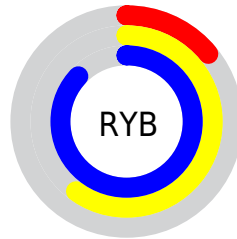
The Yxy color **55.1463, 0.2620, 0.4498** is a dark color, and the websafe version is hex **00CC66**. The color can be described as middle washed spring green. A complement of this color would be **18.1283, 0.4875, 0.2592**, and the grayscale version is **34.1890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3102, 0.2679, 0.3998**, and **28.0627, 0.2663, 0.4787** is the 20% darker color. If you saturate the color by 10%, you get **54.5963, 0.2637, 0.4659**, and if you desaturate by 10%, it is **55.9725, 0.2623, 0.4333**.

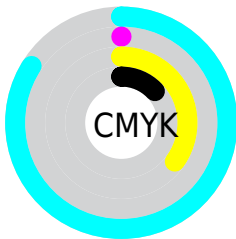
# Distribution



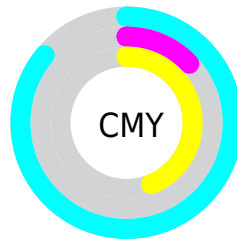
- Red (14%)
- Green (87%)
- Blue (56%)



- Red (14%)
- Yellow (60%)
- Blue (87%)



- Cyan (84%)
- Magenta (0%)
- Yellow (35%)
- Black (13%)




- Cyan (86%)
- Magenta (13%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1463, 0.2620, 0.4498 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 55.1463, 0.2620, 0.4498 by changing the saturation by 10% instead.





 55.1463, 0.2620,  
0.4498


 55.1463, 0.2620,  
0.4498


406.4663, 0.2887,  
0.3868

 39.5189, 0.2549,  
0.4662


 97.7553, 0.2720,  
0.4264


 27.1636, 0.2457,  
0.4877


 125.5056, 0.2757,  
0.4177


 17.6961, 0.2331,  
0.5167


 158.0657, 0.2787,  
0.4105

 10.7321, 0.2150,  
0.5579

 195.8199, 0.2813,  
0.4043

 5.8870, 0.1874,  
0.6199

 239.1527, 0.2836,  
0.3990

 2.7765, 0.1354,  
0.7445

288.4484, 0.2855,

 1.0162, 0.0000,


0.3944

1.0000


344.0915, 0.2872,  
0.3904

 0.0000, 0.0000,  
0.0000


 55.1463, 0.2620,  
0.4498


 55.1463, 0.2620,  
0.4498


 54.5963, 0.2637,  
0.4659


 55.9725, 0.2623,  
0.4333

 54.3612, 0.2653,  
0.4751

 57.1094, 0.2647,  
0.4167

 58.5930, 0.2690,  
0.4005

 60.4528, 0.2749,  
0.3850

 62.7146, 0.2822,  
0.3704

■ 65.4023, 0.2904,  
0.3568

■ 68.5377, 0.2994,  
0.3445

■ 72.1409, 0.3087,  
0.3333

■ 76.2311, 0.3183,  
0.3233

# Harmonies

## Analogous

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



55.1463, 0.3441, 0.4933



55.1463, 0.2620, 0.4498



55.1463, 0.1984, 0.3558

# Triad

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



55.1463, 0.2620, 0.4498



55.1463, 0.1997, 0.1984



55.1463, 0.4838, 0.3515

# Complementary

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



55.1463, 0.2620, 0.4498



18.1283, 0.4875, 0.2592

# 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.



55.1463, 0.4352, 0.2912



55.1463, 0.2620, 0.4498



55.1463, 0.2615, 0.2078

# Square

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



55.1463, 0.2620, 0.4498



55.1463, 0.1684, 0.2166



55.1463, 0.3483, 0.2406



55.1463, 0.4759, 0.4147



# Rectangle

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



55.1463, 0.2620, 0.4498



55.1463, 0.1739, 0.2942



55.1463, 0.3483, 0.2406



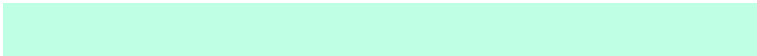
55.1463, 0.4737, 0.3308

# Sweetspot

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



55.1485, 0.2620, 0.4498



88.2396, 0.2895, 0.3582



56.6521, 0.3351, 0.5588



18.6010, 0.2866, 0.3629



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.



55.1485, 0.2620, 0.4498



73.6478, 0.2656, 0.4762



52.0212, 0.2225, 0.3113



15.4697, 0.3038, 0.3390



31.9883, 0.2646, 0.4727



2.2350, 0.2578, 0.4482



# Inverse Universe

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



18.1283, 0.4875, 0.2592



22.3284, 0.5340, 0.2715



17.9086, 0.5987, 0.3373



13.7958, 0.3226, 0.3192



9.7194, 0.5284, 0.2684



0.6913, 0.4888, 0.2466



# Previews

## White Background



This preview shows how the Yxy color 55.1463, 0.2620, 0.4498 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 55.1463, 0.2620, 0.4498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

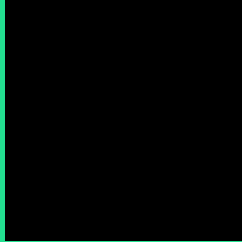
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1463, 0.2620, 0.4498**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1463, 0.2620, 0.4498.

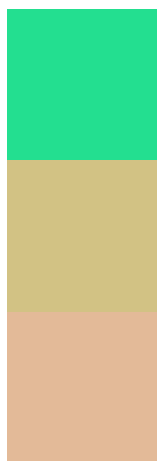


This preview shows how white text looks on a background with the Yxy color 55.1463, 0.2620, 0.4498.

# 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

55.1463, 0.2620, 0.4498

### Protanopia

53.9512, 0.3745, 0.4038

### Deuteranopia

53.7157, 0.3766, 0.3684



## Tritanopia

54.6850, 0.2312, 0.3048

# Trichromacy



## Original Color

55.1463, 0.2620, 0.4498



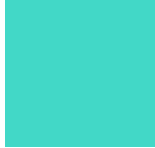
## Protanomaly

51.5512, 0.3153, 0.4263



## Deuteranomaly

50.1849, 0.3156, 0.3984



## Tritanomaly

54.3935, 0.2409, 0.3530

# Monochromacy



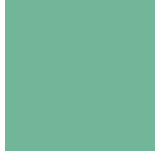
## Original Color

55.1463, 0.2620, 0.4498



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

39.2665, 0.2797, 0.3749

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1463, 0.2620, 0.4498 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(35, 223, 144)` looks like.

```
.text, #text, p{  
    color:rgb(35, 223, 144)  
}
```

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(35, 223, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 223, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1463, 0.2620, 0.4498 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(35, 223, 144) }
```

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

```
.border{ border-color:rgb(35, 223, 144) }
```

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

Here you see how a box with a 4 pixel rgb(35, 223, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 223, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 223, 144);  
box-shadow:4px 4px 4px 4px rgb(35, 223,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1463, 0.2620, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 223, 144) }
```

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

```
.background{ background-color: rgb(35, 223,  
144) }
```

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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