

# Converting Colors

Yxy(56.6813, 0.2483, 0.4028)

Have a look what the booklet for  
Yxy(56.6813, 0.2483, 0.4028)  
contains.

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# Color

**Yxy(56.7074, 0.2482, 0.4027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22E0AE
RGB	34, 224, 174
RGB Percent	13%, 88%, 68%
CMY	0.8676, 0.1215, 0.3176
CMYK	0.85, 0.00, 0.22, 0.12
HSL	164°, 75%, 51%
HSV	164°, 85%, 88%
XYZ	34.9510, 56.7074, 49.1596
YIQ	161.4900, -97.1900, -55.8300

# Conversions

## Conversions Part 2

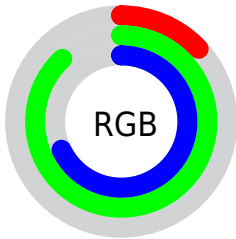
Format	Color
R <sub>Y</sub> B	34, 143, 224
Decimal	2285742
CIE Lab	80.01, -55.64, 12.11
CIE LCh	80, 56.945, 167.720
Yxy	56.7074, 0.2482, 0.4027
Android (android.graphics.Color)	4280475822 (0xFF22E0AE)
YUV	161.4900, 6.1674, -111.8087
Hunter-Lab	75.3043, -48.9353, 14.0078

# Details

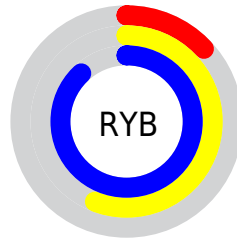
The Yxy color **56.7074, 0.2482, 0.4027** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.6155, 0.5436, 0.2911**, and the grayscale version is **35.8541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9462, 0.2537, 0.3587**, and **29.4104, 0.2499, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **56.2226, 0.2486, 0.4125**, and if you desaturate by 10%, it is **57.4537, 0.2497, 0.3928**.

# Distribution



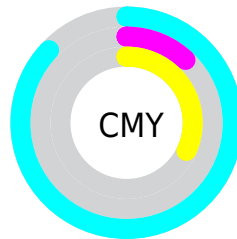
- Red (13%)
- Green (88%)
- Blue (68%)



- Red (13%)
- Yellow (56%)
- Blue (88%)



- Cyan (85%)
- Magenta (0%)
- Yellow (22%)
- Black (12%)




- Cyan (87%)
- Magenta (12%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7074, 0.2482, 0.4027 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 56.7074, 0.2482, 0.4027 by changing the saturation by 10% instead.





 56.7074, 0.2482,  
0.4027


 56.7074, 0.2482,  
0.4027


412.3520, 0.2800,  
0.3655


 40.7704, 0.2405,  
0.4121


 100.0381, 0.2596,  
0.3891

 28.1397, 0.2306,  
0.4241


 128.2006, 0.2639,  
0.3840


 18.4310, 0.2178,  
0.4402


 161.2070, 0.2676,  
0.3797

 11.2599, 0.2004,  
0.4626

 199.4418, 0.2708,  
0.3761

 6.2419, 0.1755,  
0.4959

 243.2892, 0.2735,  
0.3729

 2.9927, 0.1374,  
0.5501

293.1338, 0.2759,

 1.1279, 0.0000,

0.3701

349.3600, 0.2781,  
0.3677

0.7579

0.0016, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

56.7074, 0.2482,  
0.4027

56.7074, 0.2482,  
0.4027

56.2226, 0.2486,  
0.4125

57.4537, 0.2497,  
0.3928

56.0388, 0.2493,  
0.4175

58.4967, 0.2532,  
0.3829

59.8730, 0.2587,  
0.3732

61.6119, 0.2659,  
0.3639

■ 63.7397, 0.2746,  
0.3550

■ 66.2802, 0.2846,  
0.3468

■ 69.2550, 0.2954,  
0.3391

■ 72.6846, 0.3069,  
0.3322

■ 76.5878, 0.3188,  
0.3259

# Harmonies

## Analogous

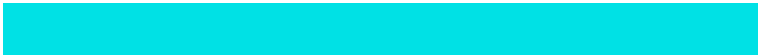
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.7074, 0.3155, 0.4581



56.7074, 0.2482, 0.4027



56.7074, 0.2017, 0.3235

# Triad

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



56.7074, 0.2482, 0.4027



56.7074, 0.2325, 0.2163



56.7074, 0.4607, 0.3716

# Complementary

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



56.7074, 0.2482, 0.4027



17.6155, 0.5436, 0.2911

# 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.



56.7074, 0.4357, 0.3168



56.7074, 0.2482, 0.4027



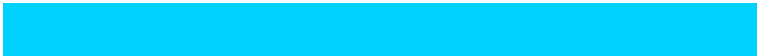
56.7074, 0.2953, 0.2323

# Square

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



56.7074, 0.2482, 0.4027



56.7074, 0.1947, 0.2239



56.7074, 0.3717, 0.2679



56.7074, 0.4401, 0.4246

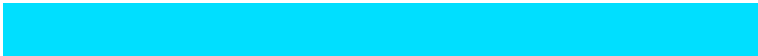


# Rectangle

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



56.7074, 0.2482, 0.4027



56.7074, 0.1867, 0.2775



56.7074, 0.3717, 0.2679



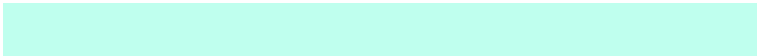
56.7074, 0.4576, 0.3531

# Sweetspot

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



56.7096, 0.2482, 0.4027



88.8166, 0.2843, 0.3470



55.3385, 0.3174, 0.5732



18.7394, 0.2807, 0.3498



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.



56.7096, 0.2482, 0.4027



75.1509, 0.2495, 0.4182



38.2072, 0.2095, 0.2637



15.5076, 0.3017, 0.3352



32.6353, 0.2489, 0.4160



2.2766, 0.2447, 0.4009



# Inverse Universe

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



17.6155, 0.5436, 0.2911



21.6652, 0.5936, 0.3044



21.4336, 0.5718, 0.3630



13.7594, 0.3251, 0.3229



9.4233, 0.5881, 0.3013

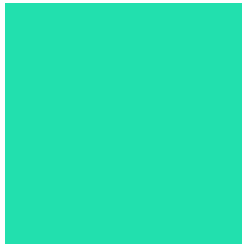


0.6677, 0.5440, 0.2770



# Previews

## White Background



This preview shows how the Yxy color 56.7074, 0.2482, 0.4027 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 56.7074, 0.2482, 0.4027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

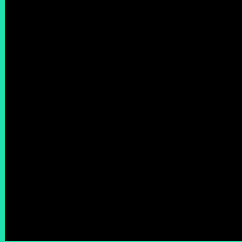
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

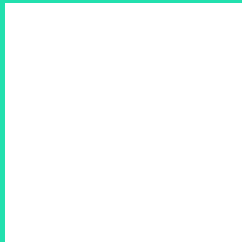
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.7074, 0.2482, 0.4027**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7074, 0.2482, 0.4027.

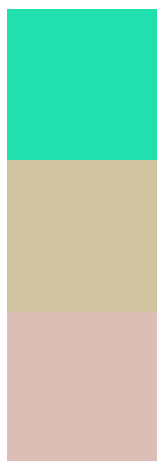


This preview shows how white text looks on a background with the Yxy color 56.7074, 0.2482, 0.4027.

# 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

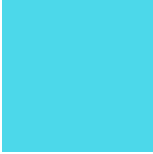
56.7074, 0.2482, 0.4027

### Protanopia

55.4278, 0.3503, 0.3727

### Deuteranopia

55.5765, 0.3451, 0.3384



## **Tritanopia**

56.5887, 0.2285, 0.3050

# Trichromacy



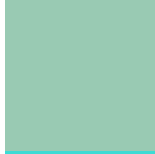
## Original Color

56.7074, 0.2482, 0.4027



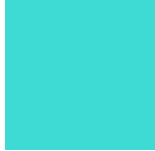
## Protanomaly

52.8790, 0.2957, 0.3857



## Deuteranomaly

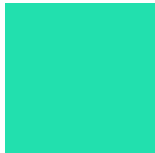
52.2680, 0.2920, 0.3601



## Tritanomaly

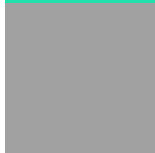
56.4086, 0.2348, 0.3385

# Monochromacy



## Original Color

56.7074, 0.2482, 0.4027



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

40.6790, 0.2726, 0.3566

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7074, 0.2482, 0.4027 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, 224, 174)` looks like.

```
.text, #text, p{  
    color:rgb(34, 224, 174)  
}
```

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, 224, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 224, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7074, 0.2482, 0.4027 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, 224, 174) }
```

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

```
.border{ border-color:rgb(34, 224, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 224, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(34, 224, 174); -webkit-box-shadow:4px 4px 4px 4px rgb(34, 224, 174); box-shadow:4px 4px 4px 4px rgb(34, 224, 174) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7074, 0.2482, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 224, 174) }
```

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

```
.background{ background-color: rgb(34, 224,  
174) }
```

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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