

# Converting Colors

Yxy(56.8555, 0.2713, 0.3534)

Have a look what the booklet for  
Yxy(56.8555, 0.2713, 0.3534)  
contains.

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# Color

**Yxy(56.5970, 0.2712, 0.3530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86D5C3
RGB	134, 213, 195
RGB Percent	53%, 84%, 76%
CMY	0.4743, 0.1647, 0.2354
CMYK	0.37, 0.00, 0.08, 0.16
HSL	166°, 48%, 68%
HSV	166°, 37%, 84%
XYZ	43.4819, 56.5970, 60.2526
YIQ	187.3270, -41.3060, -22.3460

# Conversions

## Conversions Part 2

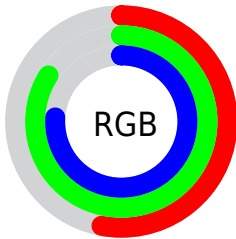
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 179, 213
Decimal	8836547
CIELab	79.95, -28.32, 1.24
CIELCh	80, 28.349, 177.499
Yxy	56.5970, 0.2712, 0.3530
Android (android.graphics.Color)	4287026627 (0xFF86D5C3)
YUV	187.3270, 3.7828, -46.7678
Hunter-Lab	75.2310, -28.4850, 5.1763

# Details

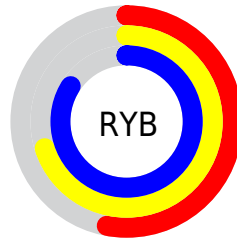
The Yxy color **56.5970, 0.2712, 0.3530** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.4828, 0.3816, 0.3068**, and the grayscale version is **49.8922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4954, 0.2767, 0.3321**, and **28.0823, 0.2609, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **54.8045, 0.2625, 0.3607**, and if you desaturate by 10%, it is **58.7537, 0.2813, 0.3458**.

# Distribution



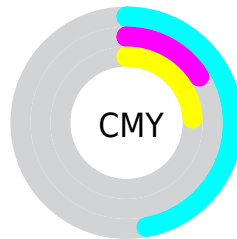
- Red (53%)
- Green (84%)
- Blue (76%)



- Red (53%)
- Yellow (70%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)




- Cyan (47%)
- Magenta (16%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5970, 0.2712, 0.3530 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 56.5970, 0.2712, 0.3530 by changing the saturation by 10% instead.





 56.5970, 0.2712,  
0.3530


 56.5970, 0.2712,  
0.3530


411.9375, 0.2913,  
0.3414

 40.6818, 0.2664,  
0.3558


 99.8769, 0.2783,  
0.3488

 28.0705, 0.2604,  
0.3594


 128.0104, 0.2811,  
0.3473

 18.3788, 0.2525,  
0.3640


 160.9854, 0.2834,  
0.3459

 11.2223, 0.2419,  
0.3702

199.1864, 0.2854,  
0.3448

 6.2166, 0.2269,  
0.3792

242.9977, 0.2871,  
0.3437

 2.9772, 0.2039,  
0.3931

292.8037, 0.2887,

 1.1198, 0.1370,

0.3428

0.4313

348.9888, 0.2900,  
0.3421

0.0000, 0.0000,  
0.0000

56.5970, 0.2712,  
0.3530

56.5970, 0.2712,  
0.3530

54.8045, 0.2625,  
0.3607

58.7537, 0.2813,  
0.3458

53.3481, 0.2553,  
0.3687

61.2874, 0.2923,  
0.3391

52.2063, 0.2500,  
0.3770

64.2184, 0.3041,  
0.3330


51.3525, 0.2466,  
0.3855


67.5638, 0.3164,  
0.3274

50.7553, 0.2451,  
0.3939

71.3395, 0.3288,  
0.3225

 50.3734, 0.2455,  
0.4023

 74.2359, 0.3361,  
0.3178

 50.2808, 0.2458,  
0.4048

 74.5037, 0.3326,  
0.3130

 74.7790, 0.3292,  
0.3082

 75.0620, 0.3258,  
0.3035

# Harmonies

## Analogous

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



56.5970, 0.3046, 0.3832



56.5970, 0.2712, 0.3530



56.5970, 0.2495, 0.3169

# Triad

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



56.5970, 0.2712, 0.3530



56.5970, 0.2814, 0.2697



56.5970, 0.3865, 0.3648

# Complementary

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



56.5970, 0.2712, 0.3530



33.4828, 0.3816, 0.3068

# 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.



56.5970, 0.3801, 0.3350



56.5970, 0.2712, 0.3530



56.5970, 0.3175, 0.2822

# Square

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



56.5970, 0.2712, 0.3530



56.5970, 0.2552, 0.2709



56.5970, 0.3543, 0.3055



56.5970, 0.3719, 0.3878



# Rectangle

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



56.5970, 0.2712, 0.3530



56.5970, 0.2439, 0.2958



56.5970, 0.3543, 0.3055



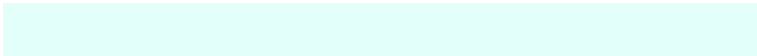
56.5970, 0.3868, 0.3553

# Sweetspot

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



56.5993, 0.2712, 0.3530



94.6574, 0.2993, 0.3354



56.0312, 0.3204, 0.4364



20.1310, 0.2976, 0.3362



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.



56.5993, 0.2712, 0.3530



83.0212, 0.2646, 0.3586



47.5535, 0.2572, 0.3005



14.0571, 0.3013, 0.3344



30.7315, 0.2454, 0.4036



1.8657, 0.2414, 0.3891



# Inverse Universe

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



33.4828, 0.3816, 0.3068



43.6871, 0.4025, 0.3025



39.3486, 0.3928, 0.3554



12.4668, 0.3256, 0.3237



8.7875, 0.5983, 0.3070



0.5429, 0.5489, 0.2797



# Previews

## White Background



This preview shows how the Yxy color 56.5970, 0.2712, 0.3530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

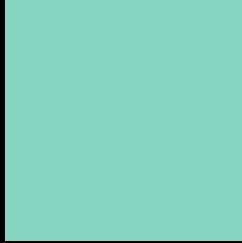
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.5970, 0.2712, 0.3530 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

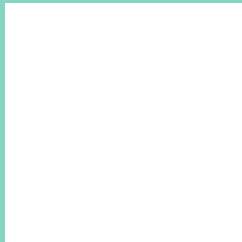
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.5970, 0.2712, 0.3530**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5970, 0.2712, 0.3530.

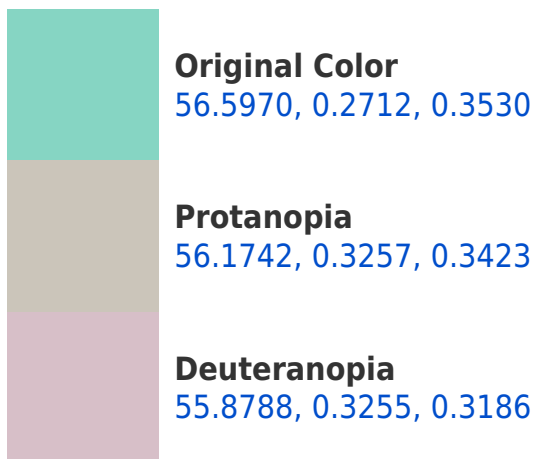


This preview shows how white text looks on a background with the Yxy color 56.5970, 0.2712, 0.3530.

# 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





## Tritanopia

56.6999, 0.2578, 0.3086

# Trichromacy



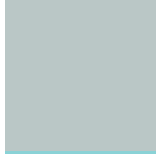
## Original Color

56.5970, 0.2712, 0.3530



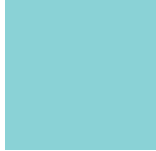
## Protanomaly

55.8510, 0.3035, 0.3467



## Deuteranomaly

55.3632, 0.3034, 0.3302



## Tritanomaly

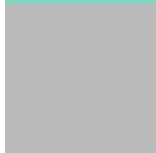
56.3515, 0.2623, 0.3237

# Monochromacy



## Original Color

56.5970, 0.2712, 0.3530



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

51.5224, 0.2953, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5970, 0.2712, 0.3530 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(134, 213, 195)` looks like.

```
.text, #text, p{  
    color:rgb(134, 213, 195)  
}
```

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(134, 213, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 213, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5970, 0.2712, 0.3530 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(134, 213, 195) }
```

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

```
.border{ border-color:rgb(134, 213, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 213, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 213, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 213, 195);  
box-shadow:4px 4px 4px 4px rgb(134, 213,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5970, 0.2712, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 213, 195) }
```

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

```
.background{ background-color: rgb(134,  
213, 195) }
```

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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