

# Converting Colors

Yxy(56.5363, 0.3079, 0.4315)

Have a look what the booklet for  
Yxy(56.5363, 0.3079, 0.4315)  
contains.

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# Color

**Yxy(56.6975, 0.3079, 0.4326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DD88D
RGB	141, 216, 141
RGB Percent	55%, 85%, 55%
CMY	0.4468, 0.1530, 0.4471
CMYK	0.35, 0.00, 0.35, 0.15
HSL	120°, 49%, 70%
HSV	120°, 35%, 85%
XYZ	40.3540, 56.6975, 34.0106
YIQ	185.0250, -20.6250, -39.2250

# Conversions

## Conversions Part 2

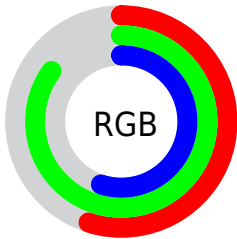
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 216, 216
Decimal	9296013
CIELab	80.01, -38.04, 29.83
CIElCh	80, 48.339, 141.892
Yxy	56.6975, 0.3079, 0.4326
Android (android.graphics.Color)	4287486093 (0xFF8DD88D)
YUV	185.0250, -21.7043, -38.6099
Hunter-Lab	75.2977, -36.1082, 25.9282

# Details

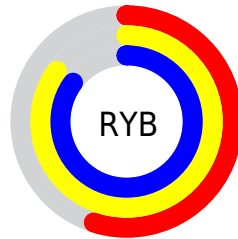
The Yxy color **56.6975, 0.3079, 0.4326** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **38.5920, 0.3167, 0.2434**, and the grayscale version is **48.6689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3304, 0.3108, 0.3955**, and **28.2542, 0.3040, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **54.4065, 0.3062, 0.4683**, and if you desaturate by 10%, it is **59.4873, 0.3095, 0.3988**.

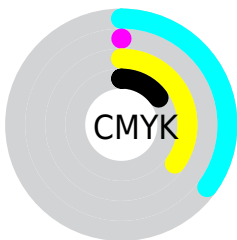
# Distribution



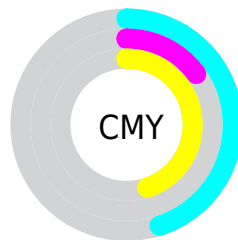
- Red (55%)
- Green (85%)
- Blue (55%)



- Red (55%)
- Yellow (85%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (35%)
- Black (15%)




- Cyan (45%)
- Magenta (15%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6975, 0.3079, 0.4326 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 56.6975, 0.3079, 0.4326 by changing the saturation by 10% instead.




 56.6975, 0.3079,  
0.4326


 56.6975, 0.3079,  
0.4326


412.3148, 0.3119,  
0.3797


 40.7624, 0.3064,  
0.4460


 100.0237, 0.3097,  
0.4132

 28.1335, 0.3042,  
0.4634


 128.1835, 0.3103,  
0.4059

 18.4263, 0.3007,  
0.4865


 161.1871, 0.3107,  
0.3998

 11.2565, 0.2948,  
0.5188

199.4189, 0.3111,  
0.3946

 6.2396, 0.2841,  
0.5662

243.2631, 0.3114,  
0.3901

 2.9913, 0.2694,  
0.6588

293.1042, 0.3116,

 1.1272, 0.0996,

0.3862

0.9004

349.3267, 0.3118,  
0.3827

0.0010, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

56.6975, 0.3079,  
0.4326

56.6975, 0.3079,  
0.4326

54.4065, 0.3062,  
0.4683

59.4873, 0.3095,  
0.3988

52.5783, 0.3046,  
0.5040

62.7952, 0.3109,  
0.3681

51.1834, 0.3030,  
0.5372


66.6481, 0.3122,  
0.3407


50.1863, 0.3017,  
0.5650


71.0692, 0.3133,  
0.3168

 49.5452, 0.3007,  
0.5852

 76.0801, 0.3142,  
0.2962

 49.2098, 0.3002,  
0.5965

 77.5896, 0.3145,  
0.2910

 49.1109, 0.3000,  
0.6000

# Harmonies

## Analogous

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



56.6975, 0.3690, 0.4438



56.6975, 0.3079, 0.4326



56.6975, 0.2512, 0.3821

# Triad

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



56.6975, 0.3079, 0.4326



56.6975, 0.2134, 0.2360



56.6975, 0.4223, 0.3263

# Complementary

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



56.6975, 0.3079, 0.4326



38.5920, 0.3167, 0.2434

# 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.



56.6975, 0.3719, 0.2818



56.6975, 0.3079, 0.4326



56.6975, 0.2503, 0.2317

# Square

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



56.6975, 0.3079, 0.4326



56.6975, 0.2007, 0.2642



56.6975, 0.3072, 0.2483



56.6975, 0.4389, 0.3747

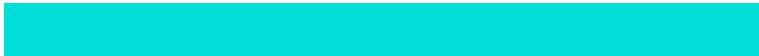


# Rectangle

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



56.6975, 0.3079, 0.4326



56.6975, 0.2233, 0.3381



56.6975, 0.3072, 0.2483



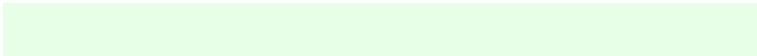
56.6975, 0.4085, 0.3107

# Sweetspot

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



56.6999, 0.3079, 0.4326



93.9492, 0.3115, 0.3549



64.9925, 0.3652, 0.4138



19.9413, 0.3113, 0.3589



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.



56.6999, 0.3079, 0.4326



79.9504, 0.3066, 0.4599



57.9553, 0.2860, 0.3811



13.8965, 0.3116, 0.3531



29.0702, 0.3000, 0.6000



1.7536, 0.3001, 0.5999



# Inverse Universe

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



38.5920, 0.3167, 0.2434



49.6104, 0.3175, 0.2256



36.9293, 0.3523, 0.2825



12.6321, 0.3138, 0.3060



11.5586, 0.3207, 0.1540

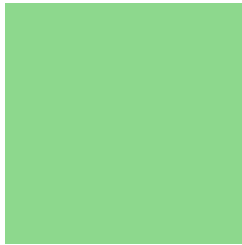


0.6973, 0.3207, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 56.6975, 0.3079, 0.4326 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 56.6975, 0.3079, 0.4326 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 56.6975, 0.3079, 0.4326**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6975, 0.3079, 0.4326.



This preview shows how white text looks on a background with the Yxy color 56.6975, 0.3079, 0.4326.

# 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

56.6975, 0.3079, 0.4326

### Protanopia

55.9221, 0.3760, 0.4049

### Deuteranopia

55.8254, 0.3849, 0.3765



## Tritanopia

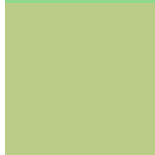
56.4845, 0.2678, 0.3089

# Trichromacy



## Original Color

56.6975, 0.3079, 0.4326



## Protanomaly

55.5281, 0.3482, 0.4156



## Deuteranomaly

55.1705, 0.3541, 0.3959



## Tritanomaly

56.5228, 0.2823, 0.3512

# Monochromacy



## Original Color

56.6975, 0.3079, 0.4326



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.7794, 0.3110, 0.3651

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6975, 0.3079, 0.4326 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(141, 216, 141)` looks like.

```
.text, #text, p{  
    color:rgb(141, 216, 141)  
}
```

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(141, 216, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 216, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6975, 0.3079, 0.4326 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(141, 216, 141) }
```

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

```
.border{ border-color:rgb(141, 216, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 216, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 216, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 216, 141);  
box-shadow:4px 4px 4px 4px rgb(141, 216,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6975, 0.3079, 0.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 216, 141) }
```

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

```
.background{ background-color: rgb(141,  
216, 141) }
```

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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