

# Converting Colors

Yxy(56.4641, 0.3072, 0.4417)

Have a look what the booklet for  
Yxy(56.4641, 0.3072, 0.4417)  
contains.

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# Color

**Yxy(56.6375, 0.3074, 0.4418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88D988
RGB	136, 217, 136
RGB Percent	53%, 85%, 53%
CMY	0.4668, 0.1490, 0.4666
CMYK	0.37, 0.00, 0.37, 0.15
HSL	120°, 52%, 69%
HSV	120°, 37%, 85%
XYZ	39.4078, 56.6375, 32.1518
YIQ	183.5470, -22.2750, -42.3630

# Conversions

## Conversions Part 2

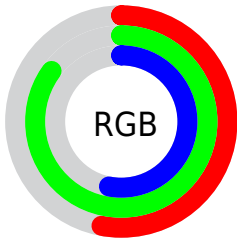
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 217, 217
Decimal	8968584
CIELab	79.98, -40.85, 32.29
CIELCh	80, 52.073, 141.673
Yxy	56.6375, 0.3074, 0.4418
Android (android.graphics.Color)	4287158664 (0xFF88D988)
YUV	183.5470, -23.4407, -41.6987
Hunter-Lab	75.2579, -38.2321, 27.3505

# Details

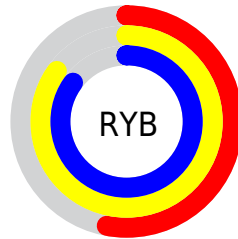
The Yxy color **56.6375, 0.3074, 0.4418** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **37.3628, 0.3171, 0.2372**, and the grayscale version is **47.8095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4442, 0.3105, 0.4018**, and **28.2459, 0.3028, 0.4763** is the 20% darker color. If you saturate the color by 10%, you get **54.4479, 0.3057, 0.4777**, and if you desaturate by 10%, it is **59.3245, 0.3090, 0.4074**.

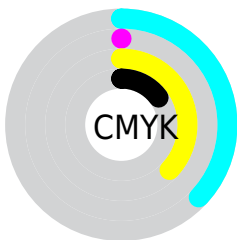
# Distribution



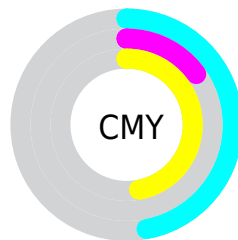
- Red (53%)
- Green (85%)
- Blue (53%)



- Red (53%)
- Yellow (85%)
- Blue (85%)



- Cyan (37%)
- Magenta (0%)
- Yellow (37%)
- Black (15%)



- Cyan (47%)
- Magenta (15%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6375, 0.3074, 0.4418 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 56.6375, 0.3074, 0.4418 by changing the saturation by 10% instead.





 56.6375, 0.3074,  
0.4418


 56.6375, 0.3074,  
0.4418


412.0896, 0.3120,  
0.3840


 40.7143, 0.3056,  
0.4565


 99.9361, 0.3095,  
0.4205

 28.0959, 0.3030,  
0.4755


 128.0802, 0.3102,  
0.4126

 18.3980, 0.2989,  
0.5008


 161.0667, 0.3107,  
0.4060

 11.2361, 0.2920,  
0.5360

199.2801, 0.3111,  
0.4003

 6.2259, 0.2794,  
0.5875

243.1047, 0.3114,  
0.3954

 2.9829, 0.2656,  
0.6992

292.9248, 0.3116,


 1.1228, 0.0446,


0.3911


0.9554


349.1250, 0.3118,  
0.3873


 0.0000, 0.0000,  
0.0000


 56.6375, 0.3074,  
0.4418


 56.6375, 0.3074,  
0.4418

 54.4479, 0.3057,  
0.4777


 59.3245, 0.3090,  
0.4074


 52.7185, 0.3041,  
0.5130


 62.5292, 0.3105,  
0.3758

 51.4187, 0.3025,  
0.5451

 66.2792, 0.3118,  
0.3475

 50.5108, 0.3013,  
0.5711

 70.5983, 0.3130,  
0.3228

 49.9509, 0.3005,  
0.5890

 75.5089, 0.3140,  
0.3013

■ 49.6798, 0.3001,  
0.5982

■ 78.1097, 0.3145,  
0.2920

■ 49.6299, 0.3000,  
0.6000

# Harmonies

## Analogous

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



56.6375, 0.3729, 0.4526



56.6375, 0.3074, 0.4418



56.6375, 0.2468, 0.3869

# Triad

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



56.6375, 0.3074, 0.4418



56.6375, 0.2065, 0.2296



56.6375, 0.4306, 0.3251

# Complementary

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



56.6375, 0.3074, 0.4418



37.3628, 0.3171, 0.2372

# 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.



56.6375, 0.3759, 0.2781



56.6375, 0.3074, 0.4418



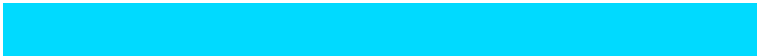
56.6375, 0.2453, 0.2252

# Square

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



56.6375, 0.3074, 0.4418



56.6375, 0.1932, 0.2594



56.6375, 0.3060, 0.2427



56.6375, 0.4484, 0.3765

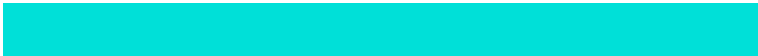


# Rectangle

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



56.6375, 0.3074, 0.4418



56.6375, 0.2171, 0.3389



56.6375, 0.3060, 0.2427



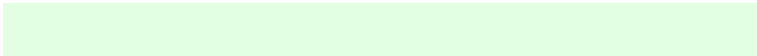
56.6375, 0.4157, 0.3086

# Sweetspot

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



56.6399, 0.3074, 0.4418



93.3868, 0.3114, 0.3577



66.1595, 0.3685, 0.4213



19.8291, 0.3112, 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.



56.6399, 0.3074, 0.4418



79.0196, 0.3060, 0.4707



58.0160, 0.2835, 0.3839



14.6064, 0.3116, 0.3532



30.0410, 0.3000, 0.6000



1.9462, 0.3000, 0.5999



# Inverse Universe

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



37.3628, 0.3171, 0.2372



47.3059, 0.3179, 0.2189



35.5087, 0.3578, 0.2805



13.2748, 0.3138, 0.3060



11.9595, 0.3210, 0.1542

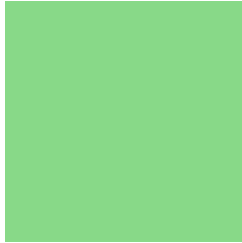


0.7748, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 56.6375, 0.3074, 0.4418 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 56.6375, 0.3074, 0.4418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

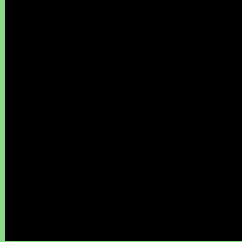
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.6375, 0.3074, 0.4418**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6375, 0.3074, 0.4418.



This preview shows how white text looks on a background with the Yxy color 56.6375, 0.3074, 0.4418.

# 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

56.6375, 0.3074, 0.4418

### Protanopia

55.7872, 0.3798, 0.4106

### Deuteranopia

55.8406, 0.3899, 0.3819



## Tritanopia

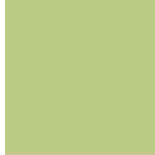
56.2426, 0.2654, 0.3075

# Trichromacy



## Original Color

56.6375, 0.3074, 0.4418



## Protanomaly

55.2635, 0.3509, 0.4221



## Deuteranomaly

54.7461, 0.3562, 0.4025



## Tritanomaly

56.0578, 0.2810, 0.3541

# Monochromacy



## Original Color

56.6375, 0.3074, 0.4418



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

50.4854, 0.3109, 0.3680

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6375, 0.3074, 0.4418 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(136, 217, 136)` looks like.

```
.text, #text, p{  
    color:rgb(136, 217, 136)  
}
```

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(136, 217, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 217, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6375, 0.3074, 0.4418 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(136, 217, 136) }
```

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

```
.border{ border-color:rgb(136, 217, 136) }
```

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

Here you see how a box with a 4 pixel rgb(136, 217, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 217, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 217, 136);  
box-shadow:4px 4px 4px 4px rgb(136, 217,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6375, 0.3074, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 217, 136) }
```

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

```
.background{ background-color: rgb(136,  
217, 136) }
```

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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