

# Converting Colors

$Yxy(55.9775, 0.3124, 0.3363)$

Have a look what the booklet for  
Yxy(55.9775, 0.3124, 0.3363)  
contains.

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# Color

**Yxy(56.0346, 0.3124, 0.3363)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1C7C1
RGB	193, 199, 193
RGB Percent	76%, 78%, 76%
CMY	0.2429, 0.2197, 0.2431
CMYK	0.03, 0.00, 0.03, 0.22
HSL	120°, 5%, 77%
HSV	120°, 3%, 78%
XYZ	52.0524, 56.0346, 58.5339
YIQ	196.5220, -1.6500, -3.1380

# Conversions

## Conversions Part 2

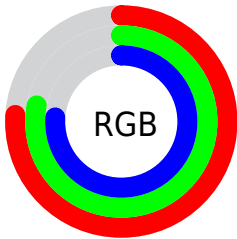
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 199, 199
Decimal	12699585
CIE <sub>Lab</sub>	79.63, -3.14, 2.26
CIE <sub>LCh</sub>	80, 3.869, 144.192
Yxy	56.0346, 0.3124, 0.3363
Android (android.graphics.Color)	4290889665 (0xFFC1C7C1)
YUV	196.5220, -1.7363, -3.0888
Hunter-Lab	74.8563, -6.8760, 6.0375

# Details

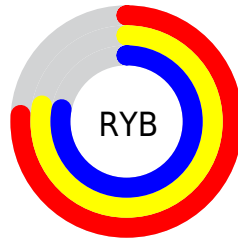
The Yxy color  $56.0346, 0.3124, 0.3363$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $54.4067, 0.3130, 0.3218$ , and the grayscale version is  $55.5492, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.4993, 0.3124, 0.3348$ , and  $27.7197, 0.3123, 0.3372$  is the 20% darker color. If you saturate the color by 10%, you get  $52.7780, 0.3112, 0.3629$ , and if you desaturate by 10%, it is  $59.7635, 0.3134, 0.3131$ .

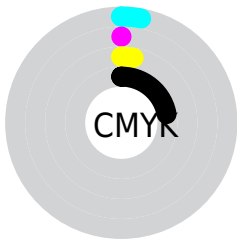
# Distribution



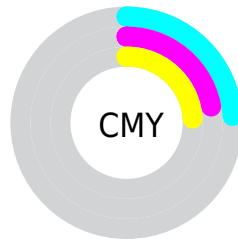
- Red (76%)
- Green (78%)
- Blue (76%)



- Red (76%)
- Yellow (78%)
- Blue (78%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (22%)




- Cyan (24%)
- Magenta (22%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0346, 0.3124, 0.3363 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 56.0346, 0.3124, 0.3363 by changing the saturation by 10% instead.




 56.0346, 0.3124,  
0.3363

 56.0346, 0.3124,  
0.3363


409.8219, 0.3126,  
0.3328

 40.2307, 0.3124,  
0.3372


 99.0552, 0.3125,  
0.3350

 27.7184, 0.3123,  
0.3382


127.0406, 0.3125,  
0.3345

 18.1135, 0.3122,  
0.3397


159.8553, 0.3125,  
0.3341

 11.0315, 0.3121,  
0.3416


197.8837, 0.3125,  
0.3338

 6.0880, 0.3120,  
0.3444

241.5101, 0.3125,  
0.3335

 2.8987, 0.3117,  
0.3489

291.1190, 0.3125,


 1.0791, 0.3112,


0.3332

0.3569


347.0948, 0.3126,  
0.3330


 0.0000, 0.0000,  
0.0000

 56.0346, 0.3124,  
0.3363

 56.0346, 0.3124,  
0.3363


 52.7780, 0.3112,  
0.3629


 59.7635, 0.3134,  
0.3131


 49.9679, 0.3099,  
0.3929


 63.9748, 0.3143,  
0.2931

 47.5872, 0.3084,  
0.4259

 68.6876, 0.3150,  
0.2760

 45.6146, 0.3068,  
0.4611

 69.3217, 0.3153,  
0.2742

 44.0274, 0.3052,  
0.4968

■ 42.8002, 0.3036,  
0.5305

■ 41.9050, 0.3022,  
0.5596

■ 41.3094, 0.3011,  
0.5814

■ 40.9746, 0.3004,  
0.5947

# Harmonies

## Analogous

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



56.0346, 0.3174, 0.3378



56.0346, 0.3124, 0.3363



56.0346, 0.3075, 0.3328

# Triad

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



56.0346, 0.3124, 0.3363



56.0346, 0.3043, 0.3211



56.0346, 0.3215, 0.3297

# Complementary

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



56.0346, 0.3124, 0.3363



54.4067, 0.3130, 0.3218

# Split Complementary

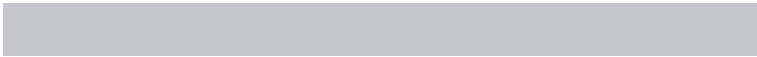
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.0346, 0.3179, 0.3253



56.0346, 0.3124, 0.3363



56.0346, 0.3080, 0.3203

# Square

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



56.0346, 0.3124, 0.3363



56.0346, 0.3028, 0.3239



56.0346, 0.3130, 0.3219



56.0346, 0.3227, 0.3340



# Rectangle

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



56.0346, 0.3124, 0.3363



56.0346, 0.3050, 0.3298



56.0346, 0.3130, 0.3219



56.0346, 0.3205, 0.3282

# Sweetspot

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



56.0370, 0.3124, 0.3363



99.3591, 0.3126, 0.3314



56.7876, 0.3171, 0.3361



21.2737, 0.3126, 0.3313



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.



56.0370, 0.3124, 0.3363



97.4873, 0.3123, 0.3390



56.1627, 0.3103, 0.3328



12.2324, 0.3122, 0.3406



26.2714, 0.3001, 0.5999



1.2450, 0.3006, 0.5995



# Inverse Universe

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



54.4067, 0.3130, 0.3218



93.6529, 0.3131, 0.3192



54.2786, 0.3152, 0.3253



11.6766, 0.3132, 0.3177



10.3620, 0.3195, 0.1534

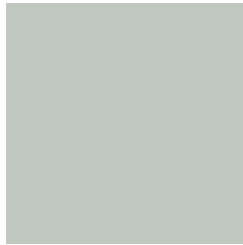


0.4916, 0.3198, 0.1536



# Previews

## White Background



This preview shows how the Yxy color 56.0346, 0.3124, 0.3363 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

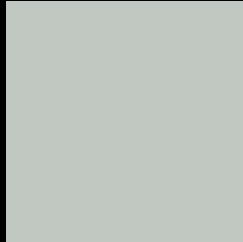
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.0346, 0.3124, 0.3363 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

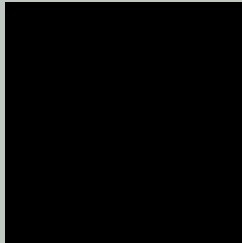
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

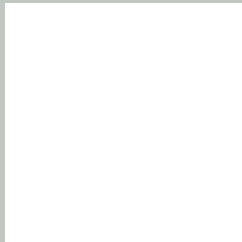
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.0346, 0.3124, 0.3363**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0346, 0.3124, 0.3363.



This preview shows how white text looks on a background with the Yxy color 56.0346, 0.3124, 0.3363.

# 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

56.0346, 0.3124, 0.3363

### Protanopia

55.8422, 0.3205, 0.3338

### Deuteranopia

55.9534, 0.3311, 0.3244



## Tritanopia

55.9691, 0.3012, 0.3099

# Trichromacy



## Original Color

56.0346, 0.3124, 0.3363

## Protanomaly

55.8804, 0.3180, 0.3351

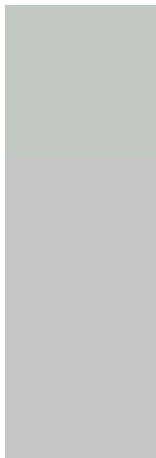
## Deuteranomaly

55.8885, 0.3241, 0.3290

## Tritanomaly

55.9424, 0.3054, 0.3194

# Monochromacy



## Original Color

56.0346, 0.3124, 0.3363

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.1095, 0.3126, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0346, 0.3124, 0.3363 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(193, 199, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 199, 193)  
}
```

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(193, 199, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 199, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0346, 0.3124, 0.3363 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(193, 199, 193) }
```

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

```
.border{ border-color:rgb(193, 199, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 199, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 199, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 199, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 199,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0346, 0.3124, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 199, 193) }
```

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

```
.background{ background-color: rgb(193,  
199, 193) }
```

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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