

# Converting Colors

$Y_{xy}(56.2179, 0.2868, 0.3230)$

Have a look what the booklet for  
Yxy(56.2179, 0.2868, 0.3230)  
contains.

<b>Yxy(56.0366, 0.2865, 0.3227)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.0366, 0.2865, 0.3227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACCBD0
RGB	172, 203, 208
RGB Percent	67%, 80%, 82%
CMY	0.3256, 0.2039, 0.1843
CMYK	0.17, 0.02, 0.00, 0.18
HSL	188°, 28%, 75%
HSV	188°, 17%, 82%
XYZ	49.7505, 56.0366, 67.8621
YIQ	194.3010, -20.0810, -5.0170

# Conversions

## Conversions Part 2

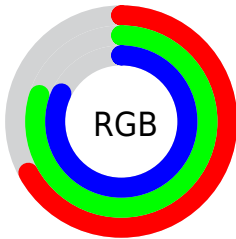
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 189, 208
Decimal	11324368
CIELab	79.63, -9.26, -5.95
CIELCh	80, 11.010, 212.718
Yxy	56.0366, 0.2865, 0.3227
Android (android.graphics.Color)	4289514448 (0xFFACCBD0)
YUV	194.3010, 6.7536, -19.5580
Hunter-Lab	74.8576, -12.3694, -1.3490

# Details

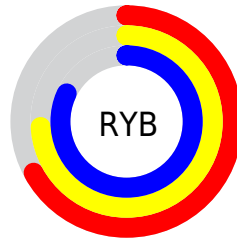
The Yxy color  $56.0366, 0.2865, 0.3227$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $47.8176, 0.3447, 0.3352$ , and the grayscale version is  $54.1037, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.2340, 0.2964, 0.3290$ , and  $27.7499, 0.2793, 0.3205$  is the 20% darker color. If you saturate the color by 10%, you get  $52.5203, 0.2722, 0.3186$ , and if you desaturate by 10%, it is  $59.9510, 0.3015, 0.3265$ .

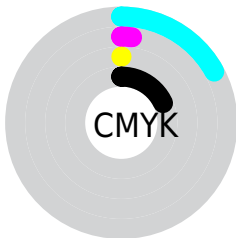
# Distribution



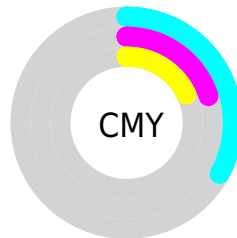
- Red (67%)
- Green (80%)
- Blue (82%)



- Red (67%)
- Yellow (74%)
- Blue (82%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)




- Cyan (33%)
- Magenta (20%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0366, 0.2865, 0.3227 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 56.0366, 0.2865, 0.3227 by changing the saturation by 10% instead.





 56.0366, 0.2865,  
0.3227

 56.0366, 0.2865,  
0.3227


409.8294, 0.2991,  
0.3259

 40.2323, 0.2835,  
0.3219

 99.0581, 0.2910,  
0.3239

 27.7197, 0.2797,  
0.3209


127.0440, 0.2927,  
0.3243

 18.1145, 0.2748,  
0.3195


159.8593, 0.2941,  
0.3247

 11.0322, 0.2682,  
0.3176

197.8883, 0.2954,  
0.3250

 6.0885, 0.2588,  
0.3147

241.5154, 0.2965,  
0.3253

 2.8990, 0.2445,  
0.3100

291.1250, 0.2975,

 1.0792, 0.2198,

0.3255

0.3012

347.1016, 0.2983,  
0.3257

0.0000, 0.0000,  
0.0000

56.0366, 0.2865,  
0.3227

56.0366, 0.2865,  
0.3227

52.5203, 0.2722,  
0.3186

59.9510, 0.3015,  
0.3265

49.3780, 0.2589,  
0.3143

64.2728, 0.3169,  
0.3299

46.5935, 0.2469,  
0.3097

69.0194, 0.3324,  
0.3330

44.1464, 0.2364,  
0.3050

74.1707, 0.3477,  
0.3357

42.0144, 0.2277,  
0.3001

75.6450, 0.3471,  
0.3387

■ 40.1721, 0.2210,  
0.2952

■ 77.1451, 0.3466,  
0.3415

■ 38.5898, 0.2161,  
0.2903

■ 78.6713, 0.3461,  
0.3444

■ 37.2272, 0.2130,  
0.2855

■ 80.2236, 0.3456,  
0.3473

■ 36.8796, 0.2123,  
0.2842

■ 81.8021, 0.3451,  
0.3501

# Harmonies

## Analogous

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



56.0366, 0.2945, 0.3361



56.0366, 0.2865, 0.3227



56.0366, 0.2853, 0.3115

# Triad

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



56.0366, 0.2865, 0.3227



56.0366, 0.3175, 0.3114



56.0366, 0.3343, 0.3531

# Complementary

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



56.0366, 0.2865, 0.3227



47.8176, 0.3447, 0.3352

# 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.



56.0366, 0.3409, 0.3458



56.0366, 0.2865, 0.3227



56.0366, 0.3310, 0.3218

# Square

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



56.0366, 0.2865, 0.3227



56.0366, 0.3030, 0.3053



56.0366, 0.3397, 0.3343



56.0366, 0.3220, 0.3539



# Rectangle

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



56.0366, 0.2865, 0.3227



56.0366, 0.2885, 0.3067



56.0366, 0.3397, 0.3343



56.0366, 0.3373, 0.3513

# Sweetspot

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



56.0389, 0.2865, 0.3227



96.5411, 0.3049, 0.3273



57.0422, 0.3073, 0.3692



20.5626, 0.3038, 0.3270



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

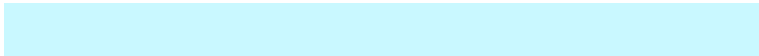


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.0389, 0.2865, 0.3227



86.5834, 0.2808, 0.3211



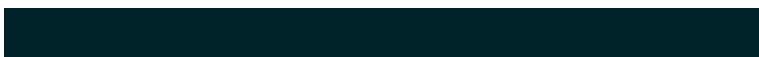
48.0987, 0.2854, 0.2998



13.1165, 0.2983, 0.3257



23.0934, 0.2125, 0.2849



1.3699, 0.2149, 0.2938



# Inverse Universe

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



47.2200, 0.3188, 0.2921



69.9953, 0.3204, 0.2835



55.3223, 0.3411, 0.3566



11.9797, 0.3159, 0.3092



10.4026, 0.3590, 0.1751



0.5896, 0.3510, 0.1707



# Previews

## White Background



This preview shows how the Yxy color 56.0366, 0.2865, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

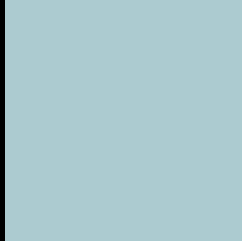
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.0366, 0.2865, 0.3227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

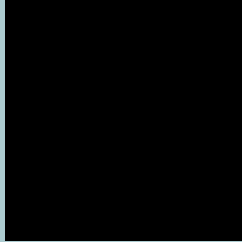
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

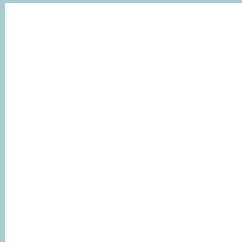
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.0366, 0.2865, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0366, 0.2865, 0.3227.



This preview shows how white text looks on a background with the Yxy color 56.0366, 0.2865, 0.3227.

# 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

56.0366, 0.2865, 0.3227

### Protanopia

55.8453, 0.3084, 0.3194

### Deuteranopia

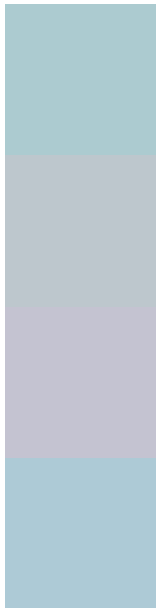
55.6164, 0.3137, 0.3070



## Tritanopia

56.3017, 0.2814, 0.3093

# Trichromacy



## Original Color

56.0366, 0.2865, 0.3227

## Protanomaly

56.0734, 0.3008, 0.3217

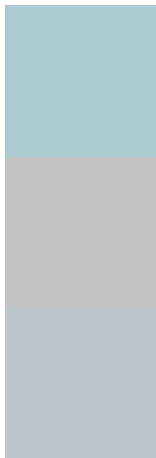
## Deuteranomaly

55.3694, 0.3033, 0.3122

## Tritanomaly

55.9803, 0.2833, 0.3141

# Monochromacy



## Original Color

56.0366, 0.2865, 0.3227

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.4951, 0.3027, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0366, 0.2865, 0.3227 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(172, 203, 208)` looks like.

```
.text, #text, p{  
    color:rgb(172, 203, 208)  
}
```

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(172, 203, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 203, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0366, 0.2865, 0.3227 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(172, 203, 208) }
```

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

```
.border{ border-color:rgb(172, 203, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 203, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 203, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 203, 208);  
box-shadow:4px 4px 4px 4px rgb(172, 203,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0366, 0.2865, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 203, 208) }
```

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

```
.background{ background-color: rgb(172,  
203, 208) }
```

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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