

# Converting Colors

$Y_{xy}(56.2130, 0.2692, 0.3164)$

Have a look what the booklet for  
Yxy(56.2130, 0.2692, 0.3164)  
contains.

<b>Yxy(56.3558, 0.2695, 0.3175)</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(56.3558, 0.2695, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CFD8
RGB	153, 207, 216
RGB Percent	60%, 81%, 85%
CMY	0.4002, 0.1882, 0.1530
CMYK	0.29, 0.04, 0.00, 0.15
HSL	189°, 45%, 72%
HSV	189°, 29%, 85%
XYZ	47.8359, 56.3558, 73.3069
YIQ	191.8800, -35.0730, -8.6490

# Conversions

## Conversions Part 2

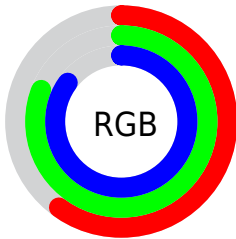
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 182, 216
Decimal	10080216
CIELab	79.82, -15.28, -10.09
CIELCh	80, 18.313, 213.437
Yxy	56.3558, 0.2695, 0.3175
Android (android.graphics.Color)	4288270296 (0xFF99CFD8)
YUV	191.8800, 11.8912, -34.0978
Hunter-Lab	75.0705, -17.6309, -5.3478

# Details

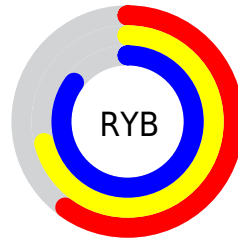
The Yxy color **56.3558, 0.2695, 0.3175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7077, 0.3740, 0.3401**, and the grayscale version is **52.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **28.0650, 0.2591, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **52.9697, 0.2564, 0.3130**, and if you desaturate by 10%, it is **60.1557, 0.2837, 0.3218**.

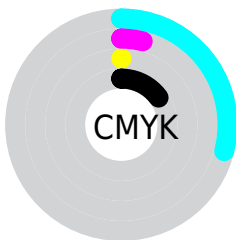
# Distribution



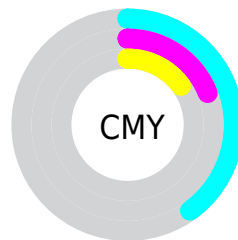
- Red (60%)
- Green (81%)
- Blue (85%)



- Red (60%)
- Yellow (71%)
- Blue (85%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)




- Cyan (40%)
- Magenta (19%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3558, 0.2695, 0.3175 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 56.3558, 0.2695, 0.3175 by changing the saturation by 10% instead.





 56.3558, 0.2695,  
0.3175

 56.3558, 0.2695,  
0.3175


411.0310, 0.2901,  
0.3234

 40.4883, 0.2646,  
0.3160


 99.5246, 0.2768,  
0.3197

 27.9194, 0.2585,  
0.3140


 127.5947, 0.2796,  
0.3205

 18.2649, 0.2507,  
0.3114


160.5010, 0.2820,  
0.3212

 11.1404, 0.2403,  
0.3078

198.6280, 0.2840,  
0.3217

 6.1613, 0.2256,  
0.3023

242.3602, 0.2858,  
0.3222

 2.9434, 0.2039,  
0.2933

292.0818, 0.2874,

 1.1023, 0.1659,

0.3227

0.2771

348.1772, 0.2889,  
0.3231

0.0000, 0.0000,  
0.0000

56.3558, 0.2695,  
0.3175

56.3558, 0.2695,  
0.3175

52.9697, 0.2564,  
0.3130

60.1557, 0.2837,  
0.3218

49.9698, 0.2446,  
0.3082

64.3819, 0.2986,  
0.3257

47.3360, 0.2344,  
0.3033

69.0543, 0.3140,  
0.3293

45.0429, 0.2260,  
0.2983

74.1899, 0.3295,  
0.3325

43.0620, 0.2196,  
0.2932

78.6587, 0.3406,  
0.3355

■ 41.3595, 0.2150,  
0.2882

■ 80.3092, 0.3401,  
0.3386

■ 39.8804, 0.2121,  
0.2832

■ 81.9895, 0.3397,  
0.3416

■ 39.7631, 0.2119,  
0.2828

■ 83.7000, 0.3392,  
0.3447

■ 85.4406, 0.3387,  
0.3477

# Harmonies

## Analogous

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



56.3558, 0.2822, 0.3401



56.3558, 0.2695, 0.3175



56.3558, 0.2679, 0.2993

# Triad

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



56.3558, 0.2695, 0.3175



56.3558, 0.3210, 0.3006



56.3558, 0.3481, 0.3692

# Complementary

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



56.3558, 0.2695, 0.3175



42.7077, 0.3740, 0.3401

# 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.



56.3558, 0.3595, 0.3566



56.3558, 0.2695, 0.3175



56.3558, 0.3436, 0.3175

# Square

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



56.3558, 0.2695, 0.3175



56.3558, 0.2969, 0.2906



56.3558, 0.3579, 0.3377



56.3558, 0.3273, 0.3709



# Rectangle

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



56.3558, 0.2695, 0.3175



56.3558, 0.2733, 0.2919



56.3558, 0.3579, 0.3377



56.3558, 0.3532, 0.3660

# Sweetspot

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



56.3581, 0.2695, 0.3175



93.8391, 0.2988, 0.3257



58.4551, 0.3035, 0.4019



19.8831, 0.2965, 0.3252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

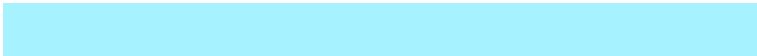


# Same Dimension

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



56.3581, 0.2695, 0.3175



78.9863, 0.2613, 0.3147



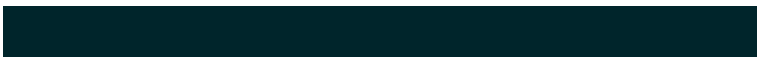
42.8018, 0.2651, 0.2763



13.7927, 0.2983, 0.3256



23.6620, 0.2121, 0.2835



1.5116, 0.2145, 0.2922



# Inverse Universe

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



41.8705, 0.3240, 0.2662



54.8708, 0.3269, 0.2530



54.9774, 0.3637, 0.3765



12.6009, 0.3159, 0.3092



10.7335, 0.3602, 0.1758

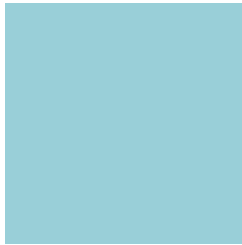


0.6559, 0.3524, 0.1715



# Previews

## White Background



This preview shows how the Yxy color 56.3558, 0.2695, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

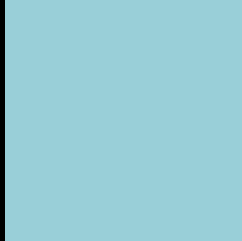
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.3558, 0.2695, 0.3175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

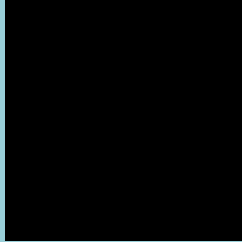
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

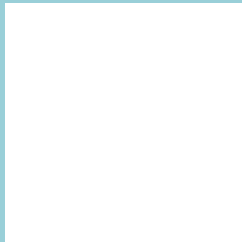
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.3558, 0.2695, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.3558, 0.2695, 0.3175.



This preview shows how white text looks on a background with the Yxy color 56.3558, 0.2695, 0.3175.

# 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

56.3558, 0.2695, 0.3175

### Protanopia

55.9536, 0.3041, 0.3135

### Deuteranopia

55.9356, 0.3039, 0.2978



## Tritanopia

56.2866, 0.2665, 0.3088

# Trichromacy



## Original Color

56.3558, 0.2695, 0.3175

## Protanomaly

55.8858, 0.2901, 0.3143

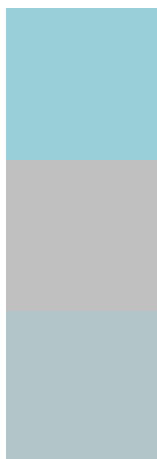
## Deuteranomaly

55.5593, 0.2904, 0.3037

## Tritanomaly

56.1799, 0.2677, 0.3112

# Monochromacy



## Original Color

56.3558, 0.2695, 0.3175

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.6145, 0.2953, 0.3239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.3558, 0.2695, 0.3175 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(153, 207, 216)` looks like.

```
.text, #text, p{  
    color:rgb(153, 207, 216)  
}
```

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(153, 207, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 207, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3558, 0.2695, 0.3175 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(153, 207, 216) }
```

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

```
.border{ border-color:rgb(153, 207, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 207, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 207, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 207, 216);  
box-shadow:4px 4px 4px 4px rgb(153, 207,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3558, 0.2695, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 207, 216) }
```

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

```
.background{ background-color: rgb(153,  
207, 216) }
```

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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