

# Converting Colors

$Yxy(56.3105, 0.2675, 0.3128)$

Have a look what the booklet for  
Yxy(56.3105, 0.2675, 0.3128)  
contains.

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# Color

**Yxy(56.5124, 0.2678, 0.3137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CFDB
RGB	153, 207, 219
RGB Percent	60%, 81%, 86%
CMY	0.3998, 0.1883, 0.1411
CMYK	0.30, 0.05, 0.00, 0.14
HSL	191°, 48%, 73%
HSV	191°, 30%, 86%
XYZ	48.2436, 56.5124, 75.3919
YIQ	192.2220, -36.0360, -7.7160

# Conversions

## Conversions Part 2

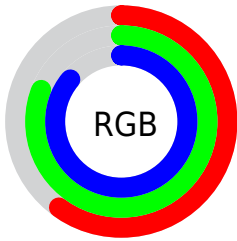
Format	Color
<a href="#">RYB</a>	<a href="#">153, 183, 219</a>
Decimal	<a href="#">10080219</a>
CIELab	<a href="#">79.90, -14.54, -11.58</a>
CIELCh	<a href="#">80, 18.588, 218.550</a>
Yxy	<a href="#">56.5124, 0.2678, 0.3137</a>
Android (android.graphics.Color)	<a href="#">4288270299 (0xFF99CFDB)</a>
YUV	<a href="#">192.2220, 13.2016, -34.3977</a>
Hunter-Lab	<a href="#">75.1747, -17.0029, -6.8390</a>

# Details

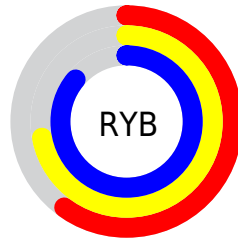
The Yxy color **56.5124, 0.2678, 0.3137** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.2991, 0.3758, 0.3437**, and the grayscale version is **52.7927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **28.1155, 0.2563, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **52.6652, 0.2544, 0.3078**, and if you desaturate by 10%, it is **60.8042, 0.2822, 0.3192**.

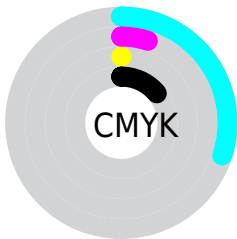
# Distribution



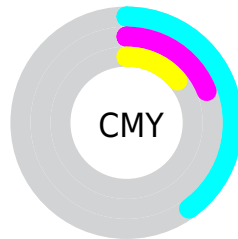
- Red (60%)
- Green (81%)
- Blue (86%)



- Red (60%)
- Yellow (72%)
- Blue (86%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)




- Cyan (40%)
- Magenta (19%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5124, 0.2678, 0.3137 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 56.5124, 0.2678, 0.3137 by changing the saturation by 10% instead.





 56.5124, 0.2678,  
0.3137

 56.5124, 0.2678,  
0.3137


411.6197, 0.2892,  
0.3215

 40.6139, 0.2628,  
0.3118


 99.7534, 0.2753,  
0.3165

 28.0175, 0.2565,  
0.3092


 127.8646, 0.2782,  
0.3176

 18.3389, 0.2484,  
0.3059


160.8156, 0.2807,  
0.3185

 11.1935, 0.2376,  
0.3013

198.9906, 0.2829,  
0.3192

 6.1972, 0.2226,  
0.2944

242.7742, 0.2848,  
0.3199

 2.9653, 0.2004,  
0.2834

292.5506, 0.2864,

 1.1137, 0.1628,

0.3205

0.2637

348.7043, 0.2879,  
0.3210

0.0000, 0.0000,  
0.0000

56.5124, 0.2678,  
0.3137

56.5124, 0.2678,  
0.3137

52.6652, 0.2544,  
0.3078

60.8042, 0.2822,  
0.3192

49.2340, 0.2423,  
0.3016

65.5539, 0.2972,  
0.3243

46.1973, 0.2318,  
0.2952

70.7826, 0.3125,  
0.3289

43.5285, 0.2230,  
0.2886

76.5079, 0.3280,  
0.3331

41.1973, 0.2162,  
0.2820

81.2853, 0.3378,  
0.3370

■ 39.1680, 0.2113,  
0.2754

■ 83.4933, 0.3373,  
0.3410

■ 37.3968, 0.2081,  
0.2690

■ 85.7523, 0.3367,  
0.3449

■ 88.0625, 0.3361,  
0.3488

■ 90.4243, 0.3356,  
0.3526

# Harmonies

## Analogous

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



56.5124, 0.2789, 0.3363



56.5124, 0.2678, 0.3137



56.5124, 0.2682, 0.2966

# Triad

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



56.5124, 0.2678, 0.3137



56.5124, 0.3254, 0.3027



56.5124, 0.3455, 0.3709

# Complementary

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



56.5124, 0.2678, 0.3137



44.2991, 0.3758, 0.3437

# 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.



56.5124, 0.3591, 0.3598



56.5124, 0.2678, 0.3137



56.5124, 0.3473, 0.3207

# Square

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



56.5124, 0.2678, 0.3137



56.5124, 0.3007, 0.2912



56.5124, 0.3598, 0.3413



56.5124, 0.3234, 0.3705



# Rectangle

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



56.5124, 0.2678, 0.3137



56.5124, 0.2749, 0.2902



56.5124, 0.3598, 0.3413



56.5124, 0.3513, 0.3683

# Sweetspot

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



56.5147, 0.2678, 0.3137



93.2648, 0.2988, 0.3248



60.1293, 0.3019, 0.4017



19.7408, 0.2965, 0.3241



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

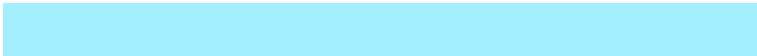


# Same Dimension

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



56.5147, 0.2678, 0.3137



76.3349, 0.2594, 0.3101



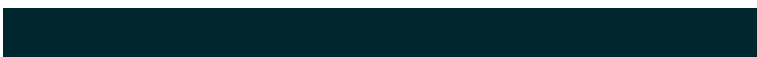
42.5667, 0.2630, 0.2713



14.4050, 0.2982, 0.3246



22.3196, 0.2083, 0.2699



1.5532, 0.2113, 0.2806



# Inverse Universe

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



42.3653, 0.3269, 0.2669



53.7145, 0.3305, 0.2542



57.3079, 0.3649, 0.3806



13.2320, 0.3165, 0.3101



10.8769, 0.3729, 0.1828

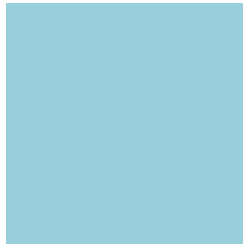


0.7155, 0.3629, 0.1773



# Previews

## White Background



This preview shows how the Yxy color 56.5124, 0.2678, 0.3137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

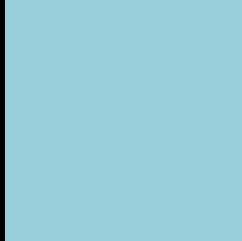
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.5124, 0.2678, 0.3137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

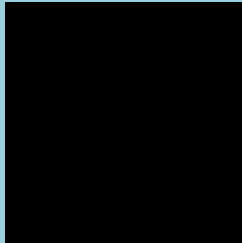
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.5124, 0.2678, 0.3137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5124, 0.2678, 0.3137.

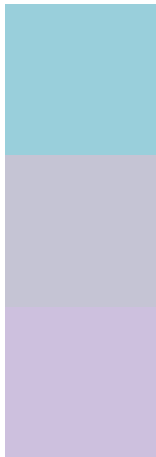


This preview shows how white text looks on a background with the Yxy color 56.5124, 0.2678, 0.3137.

# 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

56.5124, 0.2678, 0.3137

### Protanopia

56.1036, 0.3019, 0.3100

### Deuteranopia

55.9523, 0.3010, 0.2944



## Tritanopia

56.3404, 0.2660, 0.3076

# Trichromacy



**Original Color**

56.5124, 0.2678, 0.3137

**Protanomaly**

56.0386, 0.2881, 0.3107

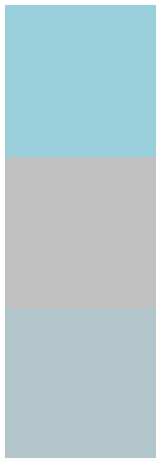
**Deuteranomaly**

55.5921, 0.2876, 0.3002

**Tritanomaly**

56.2866, 0.2665, 0.3088

# Monochromacy



**Original Color**

56.5124, 0.2678, 0.3137

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

53.6618, 0.2946, 0.3227

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5124, 0.2678, 0.3137 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(153, 207, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 207, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5124, 0.2678, 0.3137 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, 219) }
```

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

```
.border{ border-color:rgb(153, 207, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 207, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 207, 219);  
box-shadow:4px 4px 4px 4px rgb(153, 207,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5124, 0.2678, 0.3137 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, 219) }
```

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

```
.background{ background-color: rgb(153,  
207, 219) }
```

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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