

# Converting Colors

$Yxy(56.9857, 0.2561, 0.3011)$

Have a look what the booklet for  
Yxy(56.9857, 0.2561, 0.3011)  
contains.

<b>Yxy(56.8106, 0.2561, 0.3001)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(56.8106, 0.2561, 0.3001)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90D0E7
RGB	144, 208, 231
RGB Percent	56%, 82%, 91%
CMY	0.4353, 0.1843, 0.0941
CMYK	0.38, 0.10, 0.00, 0.09
HSL	196°, 64%, 74%
HSV	196°, 38%, 91%
XYZ	48.4812, 56.8106, 84.0138
YIQ	191.4860, -45.5270, -6.4150

# Conversions

## Conversions Part 2

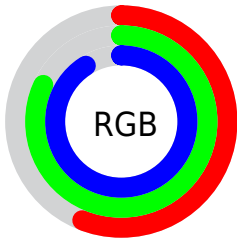
Format	Color
<b>RYB</b>	144, 181, 231
Decimal	9490663
CIELab	80.07, -14.61, -17.80
CIElCh	80, 23.025, 230.618
Yxy	56.8106, 0.2561, 0.3001
Android (android.graphics.Color)	4287680743 (0xFF90D0E7)
YUV	191.4860, 19.4804, -41.6452
Hunter-Lab	75.3728, -17.0880, -13.3262

# Details

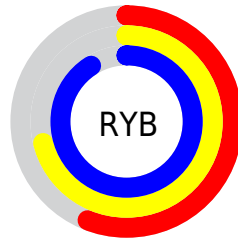
The Yxy color **56.8106, 0.2561, 0.3001** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6408, 0.3952, 0.3557**, and the grayscale version is **52.3028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **28.3302, 0.2425, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **52.0204, 0.2427, 0.2910**, and if you desaturate by 10%, it is **62.1455, 0.2705, 0.3087**.

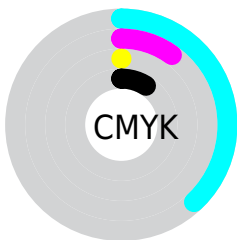
# Distribution



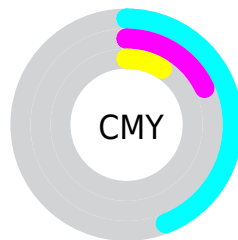
- Red (56%)
- Green (82%)
- Blue (91%)



- Red (56%)
- Yellow (71%)
- Blue (91%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)




- Cyan (44%)
- Magenta (18%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8106, 0.2561, 0.3001 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 56.8106, 0.2561, 0.3001 by changing the saturation by 10% instead.





 56.8106, 0.2561,  
0.3001

 56.8106, 0.2561,  
0.3001


412.7392, 0.2829,  
0.3145

 40.8532, 0.2499,  
0.2966


 100.1888, 0.2655,  
0.3053

 28.2044, 0.2421,  
0.2921


 128.3783, 0.2691,  
0.3073

 18.4798, 0.2322,  
0.2862

161.4141, 0.2722,  
0.3089

 11.2950, 0.2192,  
0.2781

199.6804, 0.2749,  
0.3103

 6.2656, 0.2014,  
0.2665

243.5617, 0.2773,  
0.3116

 3.0073, 0.1757,  
0.2485

293.4423, 0.2794,

 1.1355, 0.1352,

0.3127

0.2183

349.7067, 0.2812,  
0.3136

0.0081, 0.0000,  
0.0063

0.0000, 0.0000,  
0.0000

56.8106, 0.2561,  
0.3001

56.8106, 0.2561,  
0.3001

52.0204, 0.2427,  
0.2910

62.1455, 0.2705,  
0.3087

47.7407, 0.2307,  
0.2814

68.0435, 0.2855,  
0.3166

43.9436, 0.2203,  
0.2716

74.5303, 0.3009,  
0.3239

40.5947, 0.2118,  
0.2616

81.6278, 0.3163,  
0.3305

■ 37.6541, 0.2054,  
0.2516

■ 88.4926, 0.3285,  
0.3364

■ 35.0679, 0.2008,  
0.2418

■ 92.1198, 0.3278,  
0.3424

■ 34.4954, 0.1999,  
0.2395

■ 95.8690, 0.3272,  
0.3482

■ 98.5498, 0.3268,  
0.3522

# Harmonies

## Analogous

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



56.8106, 0.2641, 0.3261



56.8106, 0.2561, 0.3001



56.8106, 0.2623, 0.2836

# Triad

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



56.8106, 0.2561, 0.3001



56.8106, 0.3401, 0.3049



56.8106, 0.3429, 0.3828

# Complementary

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



56.8106, 0.2561, 0.3001



46.6408, 0.3952, 0.3557

# 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.



56.8106, 0.3649, 0.3737



56.8106, 0.2561, 0.3001



56.8106, 0.3636, 0.3286

# Square

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



56.8106, 0.2561, 0.3001



56.8106, 0.3097, 0.2872



56.8106, 0.3728, 0.3535



56.8106, 0.3134, 0.3761



# Rectangle

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



56.8106, 0.2561, 0.3001



56.8106, 0.2738, 0.2794



56.8106, 0.3728, 0.3535



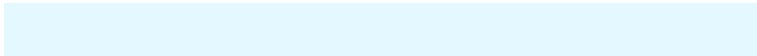
56.8106, 0.3514, 0.3813

# Sweetspot

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



56.8128, 0.2561, 0.3001



90.4225, 0.2957, 0.3215



65.8276, 0.2953, 0.4141



19.1153, 0.2936, 0.3205



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

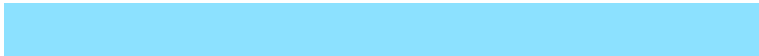


# Same Dimension

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



56.8128, 0.2561, 0.3001



66.4866, 0.2459, 0.2932



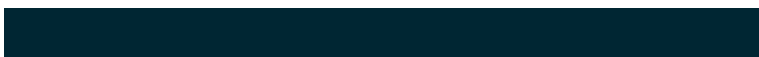
38.8811, 0.2479, 0.2439



15.6578, 0.2981, 0.3226



19.5511, 0.2003, 0.2411



1.5946, 0.2043, 0.2554



# Inverse Universe

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



41.4905, 0.3381, 0.2583



45.5073, 0.3450, 0.2445



64.7286, 0.3774, 0.4014



14.5468, 0.3178, 0.3119



11.1714, 0.4012, 0.1984

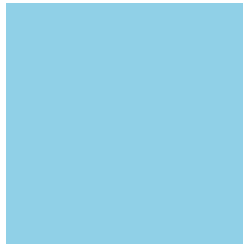


0.8407, 0.3869, 0.1905



# Previews

## White Background



This preview shows how the Yxy color 56.8106, 0.2561, 0.3001 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

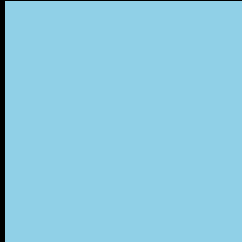
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.8106, 0.2561, 0.3001 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

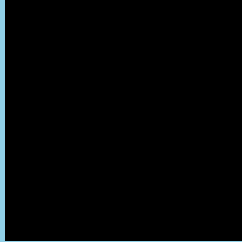
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.8106, 0.2561, 0.3001**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.8106, 0.2561, 0.3001.



This preview shows how white text looks on a background with the Yxy color 56.8106, 0.2561, 0.3001.

# 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

56.8106, 0.2561, 0.3001

### Protanopia

56.2769, 0.2921, 0.2972

### Deuteranopia

56.2226, 0.2883, 0.2820



## Tritanopia

56.9316, 0.2584, 0.3074

# Trichromacy



**Original Color**

56.8106, 0.2561, 0.3001

**Protanomaly**

56.0296, 0.2776, 0.2975

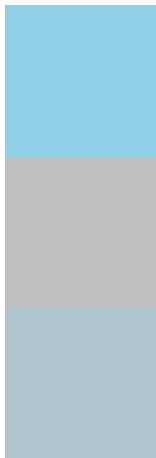
**Deuteranomaly**

55.8551, 0.2752, 0.2873

**Tritanomaly**

57.0420, 0.2573, 0.3050

# Monochromacy



**Original Color**

56.8106, 0.2561, 0.3001

**Achromatopsia**

52.0996, 0.3127, 0.3290

**Achromatomaly**

53.3874, 0.2889, 0.3176

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8106, 0.2561, 0.3001 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(144, 208, 231)` looks like.

```
.text, #text, p{  
    color:rgb(144, 208, 231)  
}
```

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(144, 208, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 208, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8106, 0.2561, 0.3001 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(144, 208, 231) }
```

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

```
.border{ border-color:rgb(144, 208, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 208, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 208, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 208, 231);  
box-shadow:4px 4px 4px 4px rgb(144, 208,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8106, 0.2561, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 208, 231) }
```

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

```
.background{ background-color: rgb(144,  
208, 231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor