

# Converting Colors

$Y_{xy}(54.1989, 0.2183, 0.2699)$

Have a look what the booklet for  
Yxy(54.1989, 0.2183, 0.2699)  
contains.

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# Color

**Yxy(54.3987, 0.2184, 0.2705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DD1FF
RGB	77, 209, 255
RGB Percent	30%, 82%, 100%
CMY	0.6972, 0.1804, 0.0000
CMYK	0.70, 0.18, 0.00, 0.00
HSL	196°, 100%, 65%
HSV	196°, 70%, 100%
XYZ	43.9212, 54.3987, 102.7844
YIQ	174.7760, -93.4380, -13.6780

# Conversions

## Conversions Part 2

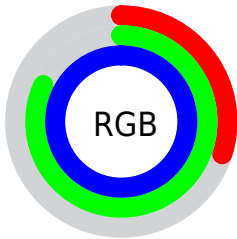
Format	Color
<a href="#">RYB</a>	<a href="#">77, 153, 255</a>
Decimal	<a href="#">5100031</a>
CIELab	<a href="#">78.69, -21.60, -32.93</a>
CIELCh	<a href="#">79, 39.383, 236.732</a>
Yxy	<a href="#">54.3987, 0.2184, 0.2705</a>
Android (android.graphics.Color)	<a href="#">4283290111 (0xFF4DD1FF)</a>
YUV	<a href="#">174.7760, 39.5504, -85.7496</a>
Hunter-Lab	<a href="#">73.7555, -22.7759, -30.9967</a>

# Details

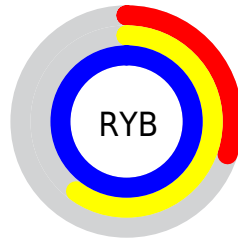
The Yxy color **54.3987, 0.2184, 0.2705** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.0139, 0.5118, 0.3709**, and the grayscale version is **42.6042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **27.1884, 0.2043, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **50.3660, 0.2105, 0.2607**, and if you desaturate by 10%, it is **58.9852, 0.2283, 0.2802**.

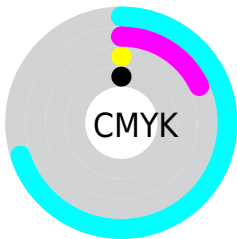
# Distribution



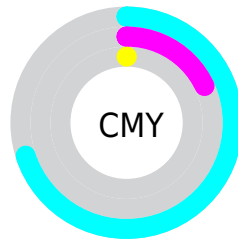
- Red (30%)
- Green (82%)
- Blue (100%)



- Red (30%)
- Yellow (60%)
- Blue (100%)



- Cyan (70%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3987, 0.2184, 0.2705 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 54.3987, 0.2184, 0.2705 by changing the saturation by 10% instead.




 54.3987, 0.2184,  
0.2705


 54.3987, 0.2184,  
0.2705


403.6286, 0.2622,  
0.2996


 38.9205, 0.2085,  
0.2635

 96.6594, 0.2335,  
0.2809


 26.6979, 0.1965,  
0.2546


 124.2107, 0.2394,  
0.2849

 17.3465, 0.1815,  
0.2432


 156.5551, 0.2445,  
0.2883

 10.4818, 0.1624,  
0.2280

 194.0771, 0.2490,  
0.2912

 5.7196, 0.1377,  
0.2070

237.1611, 0.2529,  
0.2937

 2.6753, 0.1053,  
0.1769

286.1914, 0.2563,

 0.9647, 0.0537,

0.2959

0.1338

341.5524, 0.2594,  
0.2978

0.0000, 0.0000,  
0.0000

54.3987, 0.2184,  
0.2705

54.3987, 0.2184,  
0.2705

50.3660, 0.2105,  
0.2607

58.9852, 0.2283,  
0.2802

46.8278, 0.2045,  
0.2509

64.1644, 0.2400,  
0.2897

43.7027, 0.2004,  
0.2413

69.9779, 0.2531,  
0.2987

43.6197, 0.2003,  
0.2410

76.4612, 0.2673,  
0.3073

83.6466, 0.2822,  
0.3153

■ 91.5643, 0.2976,  
0.3226

99.9994, 0.3127,  
0.3290

# Harmonies

## Analogous

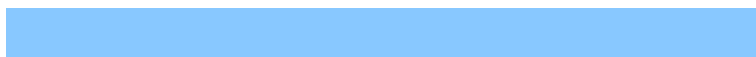
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.3987, 0.2261, 0.3117



54.3987, 0.2184, 0.2705



54.3987, 0.2328, 0.2491

# Triad

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



54.3987, 0.2184, 0.2705



54.3987, 0.3698, 0.2953



54.3987, 0.3529, 0.4241

# Complementary

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



54.3987, 0.2184, 0.2705



36.0139, 0.5118, 0.3709

# 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.



54.3987, 0.3956, 0.4094



54.3987, 0.2184, 0.2705



54.3987, 0.4074, 0.3345

# Square

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



54.3987, 0.2184, 0.2705



54.3987, 0.3173, 0.2645



54.3987, 0.4166, 0.3754



54.3987, 0.3015, 0.4082



# Rectangle

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



54.3987, 0.2184, 0.2705



54.3987, 0.2540, 0.2461



54.3987, 0.4166, 0.3754



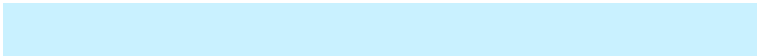
54.3987, 0.3688, 0.4222

# Sweetspot

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



54.4006, 0.2184, 0.2705



82.6958, 0.2803, 0.3143



74.4971, 0.2874, 0.5059



17.2657, 0.2761, 0.3121



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.



54.4006, 0.2184, 0.2705



48.7994, 0.2077, 0.2565



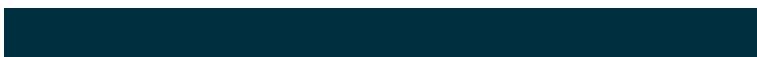
22.6388, 0.1893, 0.1528



19.6390, 0.2980, 0.3227



23.0484, 0.2007, 0.2426



2.4208, 0.2038, 0.2536



# Inverse Universe

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



31.1973, 0.3694, 0.2079



26.9824, 0.3847, 0.1981



68.1593, 0.4365, 0.4524



18.2154, 0.3178, 0.3115



13.0547, 0.3996, 0.1975

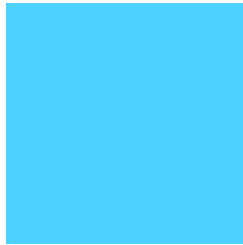


1.2889, 0.3886, 0.1914



# Previews

## White Background



This preview shows how the Yxy color 54.3987, 0.2184, 0.2705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

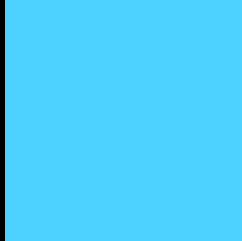
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.3987, 0.2184, 0.2705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

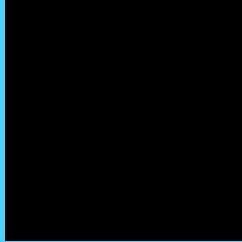
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

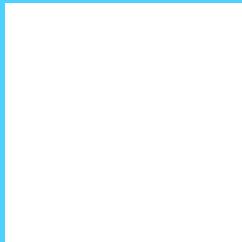
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.3987, 0.2184, 0.2705**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3987, 0.2184, 0.2705.

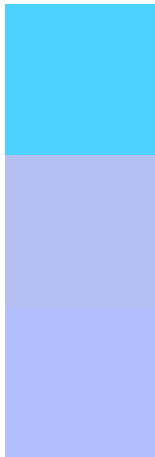


This preview shows how white text looks on a background with the Yxy color 54.3987, 0.2184, 0.2705.

# 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

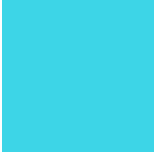
54.3987, 0.2184, 0.2705

### Protanopia

53.4962, 0.2703, 0.2692

### Deuteranopia

53.8287, 0.2601, 0.2554



## Tritanopia

54.3501, 0.2249, 0.3045

# Trichromacy



**Original Color**

54.3987, 0.2184, 0.2705

**Protanomaly**

52.9432, 0.2453, 0.2689

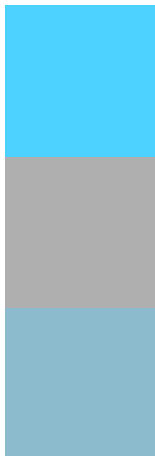
**Deuteranomaly**

53.2709, 0.2404, 0.2601

**Tritanomaly**

54.5715, 0.2225, 0.2919

# Monochromacy



**Original Color**

54.3987, 0.2184, 0.2705

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

45.3892, 0.2647, 0.3056

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3987, 0.2184, 0.2705 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(77, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 209, 255)  
}
```

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(77, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 209, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3987, 0.2184, 0.2705 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(77, 209, 255) }
```

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

```
.border{ border-color:rgb(77, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 209,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3987, 0.2184, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 209, 255) }
```

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

```
.background{ background-color: rgb(77, 209,  
255) }
```

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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