

# Converting Colors

$Y_{xy}(54.3061, 0.2169, 0.2707)$

Have a look what the booklet for  
Yxy(54.3061, 0.2169, 0.2707)  
contains.

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# Color

**Yxy(54.1605, 0.2168, 0.2703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47D1FF
RGB	71, 209, 255
RGB Percent	28%, 82%, 100%
CMY	0.7221, 0.1803, 0.0000
CMYK	0.72, 0.18, 0.00, 0.00
HSL	195°, 100%, 64%
HSV	195°, 72%, 100%
XYZ	43.4406, 54.1605, 102.7707
YIQ	172.9820, -97.0140, -14.9500

# Conversions

## Conversions Part 2

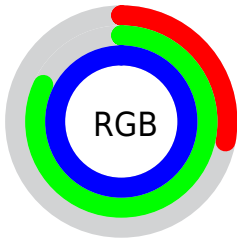
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	71, 150, 255
Decimal	4706815
CIE Lab	78.56, -22.42, -33.16
CIE LCh	79, 40.028, 235.933
Yxy	54.1605, 0.2168, 0.2703
Android (android.graphics.Color)	4282896895 (0xFF47D1FF)
YUV	172.9820, 40.4349, -89.4382
Hunter-Lab	73.5938, -23.4251, -31.2803

# Details

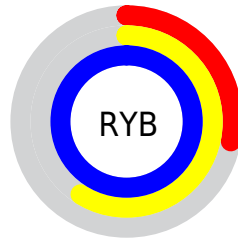
The Yxy color **54.1605, 0.2168, 0.2703** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **34.4002, 0.5231, 0.3694**, and the grayscale version is **41.5890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **27.1884, 0.2043, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **50.3311, 0.2095, 0.2609**, and if you desaturate by 10%, it is **58.5225, 0.2261, 0.2797**.

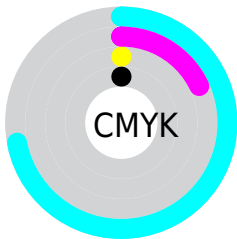
# Distribution



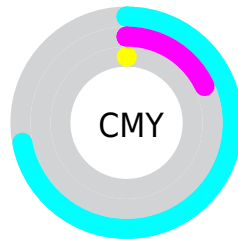
- Red (28%)
- Green (82%)
- Blue (100%)



- Red (28%)
- Yellow (59%)
- Blue (100%)



- Cyan (72%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1605, 0.2168, 0.2703 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 54.1605, 0.2168, 0.2703 by changing the saturation by 10% instead.




 54.1605, 0.2168,  
0.2703

 54.1605, 0.2168,  
0.2703


402.7218, 0.2613,  
0.2996

 38.7300, 0.2068,  
0.2632


 96.3099, 0.2322,  
0.2808

 26.5497, 0.1945,  
0.2543


 123.7975, 0.2382,  
0.2848

 17.2354, 0.1793,  
0.2428


 156.0730, 0.2433,  
0.2882

 10.4024, 0.1600,  
0.2274

 193.5207, 0.2479,  
0.2911

 5.6666, 0.1350,  
0.2062

236.5250, 0.2518,  
0.2936

 2.6434, 0.1024,  
0.1758

285.4704, 0.2554,

 0.9485, 0.0493,

0.2958

0.1325

340.7412, 0.2585,  
0.2978

0.0000, 0.0000,  
0.0000

54.1605, 0.2168,  
0.2703

54.1605, 0.2168,  
0.2703

50.3311, 0.2095,  
0.2609

58.5225, 0.2261,  
0.2797

46.9727, 0.2042,  
0.2515

63.4578, 0.2372,  
0.2889

44.6203, 0.2012,  
0.2443

69.0089, 0.2499,  
0.2977

75.2120, 0.2638,  
0.3061

82.1001, 0.2785,  
0.3139

■ 89.7037, 0.2938,  
0.3211

■ 98.0512, 0.3093,  
0.3276

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



54.1605, 0.2252, 0.3126



54.1605, 0.2168, 0.2703



54.1605, 0.2309, 0.2480

# Triad

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



54.1605, 0.2168, 0.2703



54.1605, 0.3695, 0.2937



54.1605, 0.3548, 0.4258

# Complementary

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



54.1605, 0.2168, 0.2703



34.4002, 0.5231, 0.3694

# 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.



54.1605, 0.3979, 0.4100



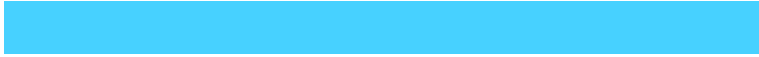
54.1605, 0.2168, 0.2703



54.1605, 0.4085, 0.3334

# Square

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



54.1605, 0.2168, 0.2703



54.1605, 0.3159, 0.2628



54.1605, 0.4186, 0.3750



54.1605, 0.3026, 0.4106



# Rectangle

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



54.1605, 0.2168, 0.2703



54.1605, 0.2519, 0.2447



54.1605, 0.4186, 0.3750



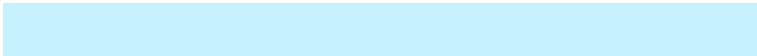
54.1605, 0.3709, 0.4235

# Sweetspot

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



54.1624, 0.2168, 0.2703



82.2531, 0.2788, 0.3140



74.0651, 0.2885, 0.5164



17.1900, 0.2748, 0.3120



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.



54.1624, 0.2168, 0.2703



48.6678, 0.2067, 0.2564



21.9791, 0.1864, 0.1498



19.6679, 0.2980, 0.3229



23.5645, 0.2016, 0.2458



2.4673, 0.2046, 0.2564



# Inverse Universe

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



30.3531, 0.3700, 0.2042



26.5074, 0.3852, 0.1957



65.8058, 0.4428, 0.4524



18.2183, 0.3176, 0.3113



13.1068, 0.3964, 0.1957

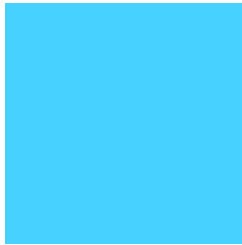


1.2936, 0.3859, 0.1899



# Previews

## White Background



This preview shows how the Yxy color 54.1605, 0.2168, 0.2703 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

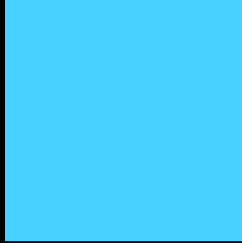
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.1605, 0.2168, 0.2703 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

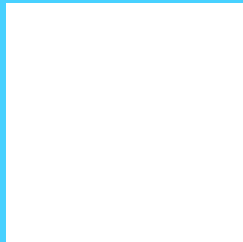
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.1605, 0.2168, 0.2703**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.1605, 0.2168, 0.2703.



This preview shows how white text looks on a background with the Yxy color 54.1605, 0.2168, 0.2703.

# 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

54.1605, 0.2168, 0.2703

### Protanopia

53.3757, 0.2696, 0.2691

### Deuteranopia

53.2770, 0.2593, 0.2541



## Tritanopia

54.0881, 0.2231, 0.3044

# Trichromacy



## Original Color

54.1605, 0.2168, 0.2703



## Protanomaly

52.6790, 0.2437, 0.2686



## Deuteranomaly

52.5558, 0.2386, 0.2586



## Tritanomaly

54.3080, 0.2207, 0.2918

# Monochromacy



## Original Color

54.1605, 0.2168, 0.2703



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

44.6638, 0.2632, 0.3054

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1605, 0.2168, 0.2703 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(71, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 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(71, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 209, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1605, 0.2168, 0.2703 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(71, 209, 255) }
```

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

```
.border{ border-color:rgb(71, 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(71, 209, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 209,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1605, 0.2168, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 209, 255) }
```

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

```
.background{ background-color: rgb(71, 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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