

# Converting Colors

$Y_{xy}(54.3520, 0.2289, 0.2670)$

Have a look what the booklet for  
Yxy(54.3520, 0.2289, 0.2670)  
contains.

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# **Color**

**Yxy(54.3274, 0.2288, 0.2669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70CDFF
RGB	112, 205, 255
RGB Percent	44%, 80%, 100%
CMY	0.5605, 0.1961, 0.0000
CMYK	0.56, 0.20, 0.00, 0.00
HSL	201°, 100%, 72%
HSV	201°, 56%, 100%
XYZ	46.5722, 54.3274, 102.6501
YIQ	182.8930, -71.4780, -4.1660

# Conversions

## Conversions Part 2

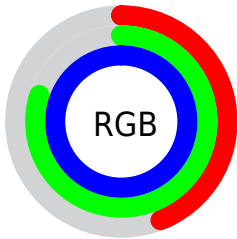
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	112, 168, 255
Decimal	7392767
CIE Lab	78.65, -13.80, -32.91
CIE LCh	79, 35.691, 247.254
Yxy	54.3274, 0.2288, 0.2669
Android (android.graphics.Color)	4285582847 (0xFF70CDFF)
YUV	182.8930, 35.5488, -62.1732
Hunter-Lab	73.7071, -16.2015, -30.9767

# Details

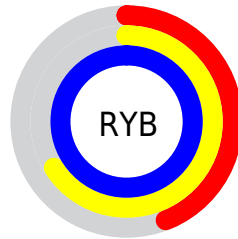
The Yxy color **54.3274, 0.2288, 0.2669** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.3045, 0.4494, 0.3801**, and the grayscale version is **47.1339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **26.7027, 0.2089, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **48.7368, 0.2169, 0.2535**, and if you desaturate by 10%, it is **60.6372, 0.2422, 0.2799**.

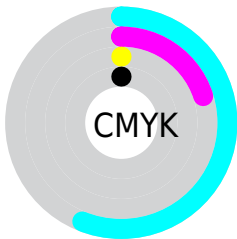
# Distribution



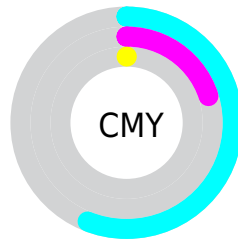
- Red (44%)
- Green (80%)
- Blue (100%)



- Red (44%)
- Yellow (66%)
- Blue (100%)



- Cyan (56%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3274, 0.2288, 0.2669 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 54.3274, 0.2288, 0.2669 by changing the saturation by 10% instead.





 54.3274, 0.2288,  
0.2669


 54.3274, 0.2288,  
0.2669


403.3573, 0.2681,  
0.2972


 38.8635, 0.2199,  
0.2597


 96.5548, 0.2424,  
0.2777

 26.6535, 0.2089,  
0.2507


 124.0870, 0.2477,  
0.2818

 17.3132, 0.1951,  
0.2391


 156.4109, 0.2523,  
0.2853

 10.4580, 0.1775,  
0.2238

193.9106, 0.2563,  
0.2883

 5.7037, 0.1543,  
0.2029

236.9708, 0.2598,  
0.2910

 2.6658, 0.1231,  
0.1732

285.9757, 0.2628,

 0.9598, 0.0778,

0.2933

0.1302

341.3097, 0.2656,  
0.2954

0.0000, 0.0000,  
0.0000

54.3274, 0.2288,  
0.2669

54.3274, 0.2288,  
0.2669

48.7368, 0.2169,  
0.2535

60.6372, 0.2422,  
0.2799

43.8171, 0.2068,  
0.2399

67.7033, 0.2568,  
0.2921

39.5170, 0.1988,  
0.2263

75.5634, 0.2721,  
0.3036

35.7727, 0.1930,  
0.2129

84.2512, 0.2877,  
0.3141

34.4096, 0.1911,  
0.2077

93.7983, 0.3034,  
0.3237

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.



54.3274, 0.2287, 0.2988



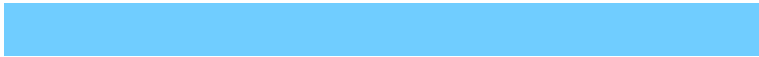
54.3274, 0.2288, 0.2669



54.3274, 0.2490, 0.2535

# Triad

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



54.3274, 0.2288, 0.2669



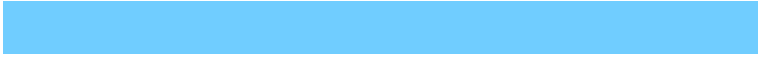
54.3274, 0.3788, 0.3105



54.3274, 0.3335, 0.4131

# Complementary

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



54.3274, 0.2288, 0.2669



48.3045, 0.4494, 0.3801

# 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.



54.3274, 0.3764, 0.4095



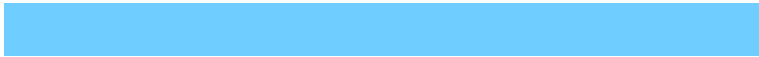
54.3274, 0.2288, 0.2669



54.3274, 0.4047, 0.3479

# Square

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



54.3274, 0.2288, 0.2669



54.3274, 0.3343, 0.2787



54.3274, 0.4033, 0.3840

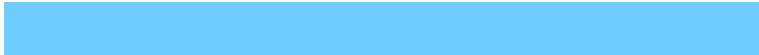


54.3274, 0.2869, 0.3885



# Rectangle

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



54.3274, 0.2288, 0.2669



54.3274, 0.2725, 0.2548



54.3274, 0.4033, 0.3840



54.3274, 0.3489, 0.4149

# Sweetspot

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



54.3285, 0.2288, 0.2669



83.3859, 0.2862, 0.3131



77.4985, 0.2839, 0.4511



17.4634, 0.2831, 0.3111



0.0000, 0.0000, 0.0000

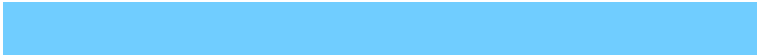


21.4041, 0.3127, 0.3290



# Same Dimension

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



54.3285, 0.2288, 0.2669



48.2393, 0.2158, 0.2522



28.2508, 0.2095, 0.1765



19.3488, 0.2980, 0.3205



18.2705, 0.1917, 0.2099



1.9840, 0.1959, 0.2250



# Inverse Universe

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



37.2738, 0.3693, 0.2371



31.5739, 0.3855, 0.2241



79.6845, 0.4058, 0.4442



18.1861, 0.3192, 0.3137



12.5724, 0.4342, 0.2166

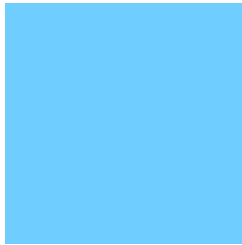


1.2448, 0.4178, 0.2075



# Previews

## White Background



This preview shows how the Yxy color 54.3274, 0.2288, 0.2669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

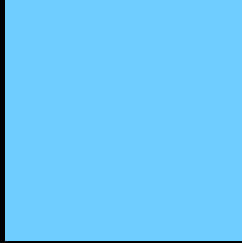
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.3274, 0.2288, 0.2669 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

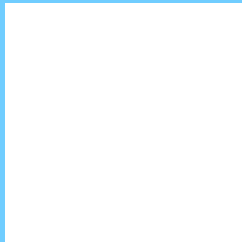
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.3274, 0.2288, 0.2669**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3274, 0.2288, 0.2669.



This preview shows how white text looks on a background with the Yxy color 54.3274, 0.2288, 0.2669.

# 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

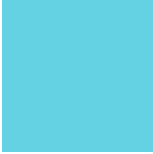
54.3274, 0.2288, 0.2669

### Protanopia

53.5575, 0.2678, 0.2660

### Deuteranopia

53.9466, 0.2607, 0.2555



## **Tritanopia**

54.4059, 0.2380, 0.3063

# Trichromacy



**Original Color**

54.3274, 0.2288, 0.2669

**Protanomaly**

53.2880, 0.2507, 0.2652

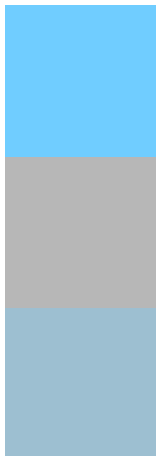
**Deuteranomaly**

53.5699, 0.2470, 0.2589

**Tritanomaly**

54.2294, 0.2345, 0.2913

# Monochromacy



**Original Color**

54.3274, 0.2288, 0.2669

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

49.0332, 0.2743, 0.3054

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3274, 0.2288, 0.2669 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(112, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 205, 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(112, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 205, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3274, 0.2288, 0.2669 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(112, 205, 255) }
```

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

```
.border{ border-color:rgb(112, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 205, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 205, 255); box-shadow:4px 4px 4px 4px rgb(112, 205, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3274, 0.2288, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 205, 255) }
```

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

```
.background{ background-color: rgb(112,  
205, 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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