

# Converting Colors

$Y_{xy}(54.1354, 0.2284, 0.2679)$

Have a look what the booklet for  
Yxy(54.1354, 0.2284, 0.2679)  
contains.

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# Color

**Yxy(54.1334, 0.2284, 0.2679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6ECDFE
RGB	110, 205, 254
RGB Percent	43%, 80%, 100%
CMY	0.5686, 0.1961, 0.0039
CMYK	0.57, 0.19, 0.00, 0.00
HSL	200°, 99%, 71%
HSV	200°, 57%, 100%
XYZ	46.1518, 54.1334, 101.7805
YIQ	182.1810, -72.3490, -4.9010

# Conversions

## Conversions Part 2

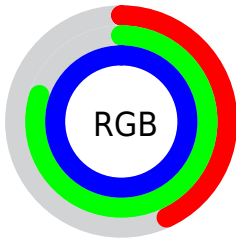
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	110, 167, 254
Decimal	7261694
CIE Lab	78.54, -14.50, -32.55
CIE LCh	79, 35.638, 245.987
Yxy	54.1334, 0.2284, 0.2679
Android (android.graphics.Color)	4285451774 (0xFF6ECDFE)
YUV	182.1810, 35.4068, -63.3027
Hunter-Lab	73.5754, -16.7889, -30.5160

# Details

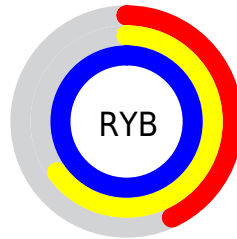
The Yxy color **54.1334, 0.2284, 0.2679** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.9982, 0.4525, 0.3791**, and the grayscale version is **46.7190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **26.5958, 0.2086, 0.2524** is the 20% darker color. If you saturate the color by 10%, you get **48.7108, 0.2167, 0.2549**, and if you desaturate by 10%, it is **60.2552, 0.2416, 0.2805**.

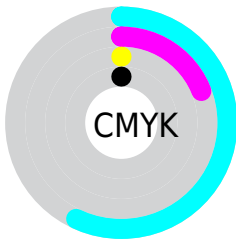
# Distribution



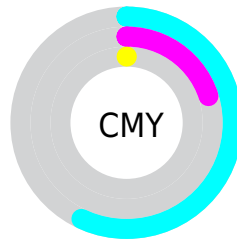
- Red (43%)
- Green (80%)
- Blue (100%)



- Red (43%)
- Yellow (65%)
- Blue (100%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (20%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1334, 0.2284, 0.2679 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 54.1334, 0.2284, 0.2679 by changing the saturation by 10% instead.





 54.1334, 0.2284,  
0.2679

 54.1334, 0.2284,  
0.2679


402.6185, 0.2679,  
0.2978


 38.7083, 0.2194,  
0.2608

 96.2701, 0.2421,  
0.2785

 26.5329, 0.2084,  
0.2518


 123.7505, 0.2474,  
0.2826

 17.2227, 0.1945,  
0.2403


 156.0181, 0.2520,  
0.2861

 10.3934, 0.1768,  
0.2251

193.4574, 0.2560,  
0.2891

 5.6606, 0.1534,  
0.2043

236.4526, 0.2595,  
0.2917

 2.6398, 0.1220,  
0.1746

285.3883, 0.2626,

 0.9467, 0.0756,

0.2940

0.1315

340.6488, 0.2654,  
0.2960

0.0000, 0.0000,  
0.0000

54.1334, 0.2284,  
0.2679

54.1334, 0.2284,  
0.2679

48.7108, 0.2167,  
0.2549

60.2552, 0.2416,  
0.2805

43.9368, 0.2069,  
0.2416

67.1101, 0.2560,  
0.2924

39.7614, 0.1992,  
0.2284

74.7363, 0.2712,  
0.3036

36.1200, 0.1936,  
0.2155

83.1670, 0.2867,  
0.3139

34.9998, 0.1920,  
0.2113

92.4334, 0.3024,  
0.3233

99.9357, 0.3133,  
0.3300

# Harmonies

## Analogous

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



54.1334, 0.2292, 0.3005



54.1334, 0.2284, 0.2679



54.1334, 0.2478, 0.2537

# Triad

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



54.1334, 0.2284, 0.2679



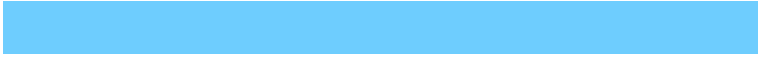
54.1334, 0.3771, 0.3090



54.1334, 0.3355, 0.4135

# Complementary

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



54.1334, 0.2284, 0.2679



46.9982, 0.4525, 0.3791

# 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.



54.1334, 0.3780, 0.4087



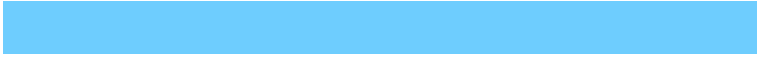
54.1334, 0.2284, 0.2679



54.1334, 0.4041, 0.3463

# Square

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



54.1334, 0.2284, 0.2679



54.1334, 0.3322, 0.2775



54.1334, 0.4039, 0.3826



54.1334, 0.2888, 0.3901



# Rectangle

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



54.1334, 0.2284, 0.2679



54.1334, 0.2708, 0.2545



54.1334, 0.4039, 0.3826



54.1334, 0.3507, 0.4149

# Sweetspot

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



54.1354, 0.2284, 0.2679



83.6313, 0.2862, 0.3136



76.6682, 0.2837, 0.4528



17.5216, 0.2831, 0.3116



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.



54.1354, 0.2284, 0.2679



48.4721, 0.2153, 0.2531



27.5260, 0.2083, 0.1745



19.3792, 0.2980, 0.3207



18.7371, 0.1926, 0.2134



2.0272, 0.1967, 0.2281



# Inverse Universe

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



36.6342, 0.3686, 0.2350



31.2196, 0.3849, 0.2217



78.7917, 0.4068, 0.4453



18.1891, 0.3190, 0.3134



12.6195, 0.4304, 0.2145

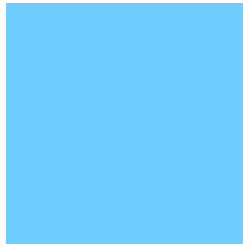


1.2492, 0.4146, 0.2058



# Previews

## White Background



This preview shows how the Yxy color 54.1334, 0.2284, 0.2679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

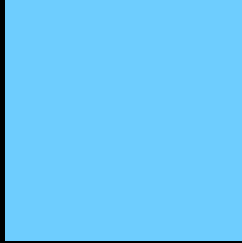
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.1334, 0.2284, 0.2679 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

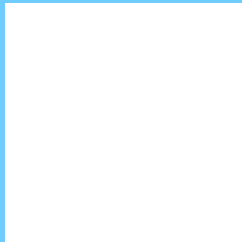
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.1334, 0.2284, 0.2679**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.1334, 0.2284, 0.2679.

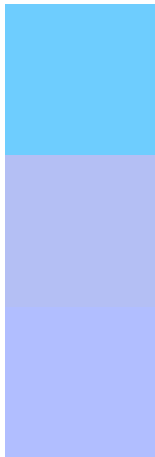


This preview shows how white text looks on a background with the Yxy color 54.1334, 0.2284, 0.2679.

# 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

54.1334, 0.2284, 0.2679

### Protanopia

53.4966, 0.2684, 0.2670

### Deuteranopia

53.3940, 0.2599, 0.2542



## Tritanopia

54.2919, 0.2372, 0.3062

# Trichromacy



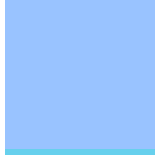
## Original Color

54.1334, 0.2284, 0.2679



## Protanomaly

53.2257, 0.2512, 0.2663



## Deuteranomaly

53.0225, 0.2463, 0.2575



## Tritanomaly

54.1097, 0.2337, 0.2912

# Monochromacy



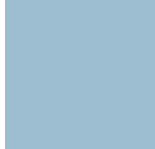
## Original Color

54.1334, 0.2284, 0.2679



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

48.4489, 0.2742, 0.3053

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1334, 0.2284, 0.2679 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(110, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(110, 205, 254)  
}
```

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(110, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 205, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1334, 0.2284, 0.2679 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(110, 205, 254) }
```

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

```
.border{ border-color:rgb(110, 205, 254) }
```

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

Here you see how a box with a 4 pixel rgb(110, 205, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 205, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 205, 254);  
box-shadow:4px 4px 4px 4px rgb(110, 205,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1334, 0.2284, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 205, 254) }
```

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

```
.background{ background-color: rgb(110,  
205, 254) }
```

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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