

Converting Colors

$Yxy(53.4690, 0.2044, 0.2206)$

Have a look what the booklet for
Yxy(53.4690, 0.2044, 0.2206)
contains.

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Color

Yxy(50.4134, 0.2174, 0.2587)

Conversions

Conversions Part 1

Format	Color
Hex	54C8FF
RGB	84, 200, 255
RGB Percent	33%, 78%, 100%
CMY	0.6702, 0.2157, 0.0001
CMYK	0.67, 0.22, 0.00, 0.00
HSL	199°, 100%, 66%
HSV	199°, 67%, 100%
XYZ	42.3652, 50.4134, 102.0935
YIQ	171.5860, -86.7910, -7.4870

Conversions

Conversions Part 2

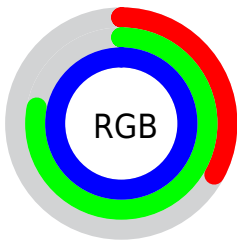
Format	Color
R _Y B	84, 153, 255
Decimal	5556479
CIE Lab	76.32, -16.00, -36.58
CIE LCh	76, 39.924, 246.371
Yxy	50.4134, 0.2174, 0.2587
Android (android.graphics.Color)	4283746559 (0xFF54C8FF)
YUV	171.5860, 41.1231, -76.8129
Hunter-Lab	71.0024, -17.7481, -35.5507

Details

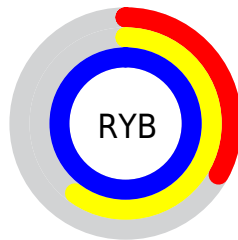
The Yxy color **50.4134, 0.2174, 0.2587** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **40.3939, 0.4917, 0.3813**, and the grayscale version is **40.8712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.7437, 0.2080, 0.2462**, and if you desaturate by 10%, it is **55.7188, 0.2287, 0.2710**.

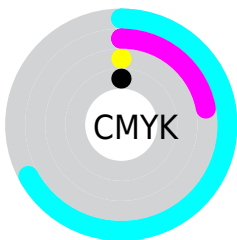
Distribution



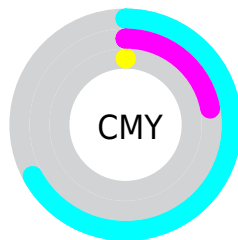
- Red (33%)
- Green (78%)
- Blue (100%)



- Red (33%)
- Yellow (60%)
- Blue (100%)



- Cyan (67%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4134, 0.2174, 0.2587 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 50.4134, 0.2174, 0.2587 by changing the saturation by 10% instead.


 50.4134, 0.2174,
0.2587

 50.4134, 0.2174,
0.2587


388.2804, 0.2622,
0.2934

 35.7420, 0.2072,
0.2504


 90.7871, 0.2329,
0.2711


 24.2350, 0.1947,
0.2400


 117.2581, 0.2390,
0.2758

 15.5080, 0.1791,
0.2266


 148.4312, 0.2442,
0.2798

 9.1767, 0.1593,
0.2090

 184.6907, 0.2487,
0.2833

 4.8566, 0.1335,
0.1850

226.4209, 0.2527,
0.2863

 2.1634, 0.0998,
0.1514

274.0064, 0.2562,

 0.6999, 0.0408,

0.2890

0.1040

327.8314, 0.2594,
0.2913

0.0000, 0.0000,
0.0000

50.4134, 0.2174,
0.2587

50.4134, 0.2174,
0.2587

45.7437, 0.2080,
0.2462

55.7188, 0.2287,
0.2710

41.6522, 0.2006,
0.2338

61.6994, 0.2417,
0.2828

38.0751, 0.1953,
0.2216

68.3966, 0.2558,
0.2941

37.0782, 0.1939,
0.2180

75.8466, 0.2708,
0.3047

84.0826, 0.2862,
0.3144

■ 93.1354, 0.3018,
0.3233

99.9991, 0.3127,
0.3290

Harmonies

Analogous

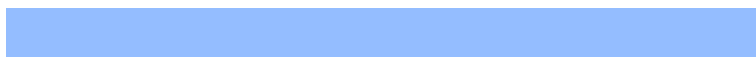
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.4134, 0.2178, 0.2951



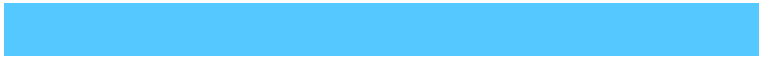
50.4134, 0.2174, 0.2587



50.4134, 0.2393, 0.2436

Triad

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



50.4134, 0.2174, 0.2587



50.4134, 0.3872, 0.3063



50.4134, 0.3373, 0.4266

Complementary

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



50.4134, 0.2174, 0.2587



40.3939, 0.4917, 0.3813

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.



50.4134, 0.3862, 0.4202



50.4134, 0.2174, 0.2587



50.4134, 0.4179, 0.3482

Square

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



50.4134, 0.2174, 0.2587



50.4134, 0.3355, 0.2711



50.4134, 0.4167, 0.3895



50.4134, 0.2842, 0.3993

Rectangle

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



50.4134, 0.2174, 0.2587



50.4134, 0.2653, 0.2449



50.4134, 0.4167, 0.3895



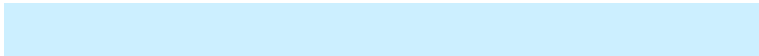
50.4134, 0.3548, 0.4280

Sweetspot

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



50.4152, 0.2174, 0.2587



81.5489, 0.2816, 0.3116



75.2428, 0.2829, 0.4836



16.9564, 0.2772, 0.3089



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.



50.4152, 0.2174, 0.2587



44.4691, 0.2055, 0.2425



21.4704, 0.1902, 0.1464



19.4379, 0.2980, 0.3212



19.6586, 0.1945, 0.2200



2.1121, 0.1983, 0.2339

Inverse Universe

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



31.7850, 0.3795, 0.2200



27.3169, 0.3977, 0.2104



75.0276, 0.4241, 0.4584



18.1951, 0.3188, 0.3130



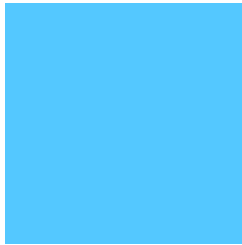
12.7125, 0.4232, 0.2105



1.2578, 0.4086, 0.2024

Previews

White Background



This preview shows how the Yxy color 50.4134, 0.2174, 0.2587 looks on a white background.

Color Contrast Check

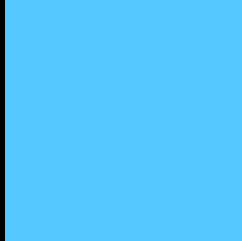
Large Text (above 18pt) WCAG AA × Fail

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 50.4134, 0.2174, 0.2587 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

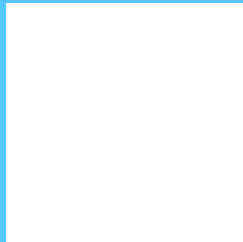
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.4134, 0.2174, 0.2587

Background



This preview shows how black text looks on a background with the Yxy color 50.4134, 0.2174, 0.2587.

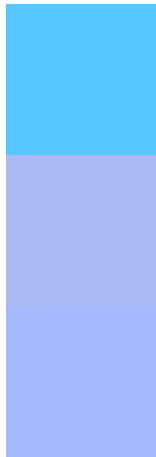


This preview shows how white text looks on a background with the Yxy color 50.4134, 0.2174, 0.2587.

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

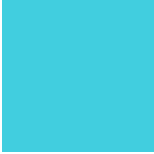
50.4134, 0.2174, 0.2587

Protanopia

49.8875, 0.2616, 0.2586

Deuteranopia

49.9173, 0.2516, 0.2466



Tritanopia

50.5941, 0.2267, 0.3052

Trichromacy



Original Color

50.4134, 0.2174, 0.2587

Protanomaly

49.0932, 0.2409, 0.2571

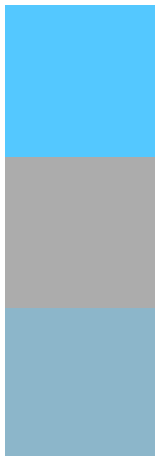
Deuteranomaly

49.2812, 0.2360, 0.2494

Tritanomaly

50.5616, 0.2229, 0.2871

Monochromacy



Original Color

50.4134, 0.2174, 0.2587

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.2956, 0.2658, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4134, 0.2174, 0.2587 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(84, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 200, 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(84, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.4134, 0.2174, 0.2587 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(84, 200, 255) }
```

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

```
.border{ border-color:rgb(84, 200, 255) }
```

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

Here you see how a box with a 4 pixel rgb(84, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4134, 0.2174, 0.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 200, 255) }
```

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

```
.background{ background-color: rgb(84, 200,  
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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