

Converting Colors

$Yxy(53.5925, 0.2177, 0.2684)$

Have a look what the booklet for
Yxy(53.5925, 0.2177, 0.2684)
contains.

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Color

Yxy(53.3821, 0.2174, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	4CCFFF
RGB	76, 207, 255
RGB Percent	30%, 81%, 100%
CMY	0.7023, 0.1882, 0.0000
CMYK	0.70, 0.19, 0.00, 0.00
HSL	196°, 100%, 65%
HSV	196°, 70%, 100%
XYZ	43.3356, 53.3821, 102.6180
YIQ	173.3030, -93.4840, -12.8440

Conversions

Conversions Part 2

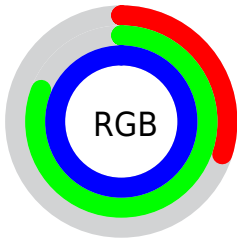
Format	Color
R_{YB}	76, 152, 255
Decimal	5033983
CIE _{Lab}	78.10, -20.77, -33.85
CIE _{LCh}	78, 39.712, 238.464
Yxy	53.3821, 0.2174, 0.2678
Android (android.graphics.Color)	4283224063 (0xFF4CCFFF)
YUV	173.3030, 40.2766, -85.3347
Hunter-Lab	73.0631, -21.9874, -32.1294

Details

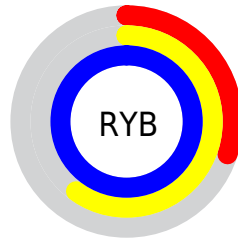
The Yxy color **53.3821, 0.2174, 0.2678** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.1644, 0.5123, 0.3725**, and the grayscale version is **41.7661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **26.8597, 0.2038, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **49.3007, 0.2094, 0.2576**, and if you desaturate by 10%, it is **58.0238, 0.2273, 0.2779**.

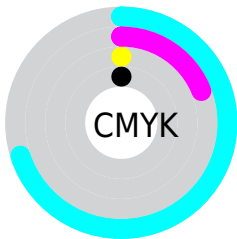
Distribution



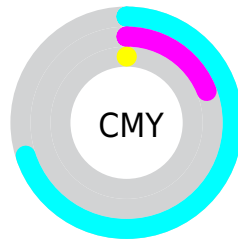
- Red (30%)
- Green (81%)
- Blue (100%)



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



- Cyan (70%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3821, 0.2174, 0.2678 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 53.3821, 0.2174, 0.2678 by changing the saturation by 10% instead.

 53.3821, 0.2174,
0.2678

 53.3821, 0.2174,
0.2678

399.7494, 0.2618,
0.2982


 38.1079, 0.2074,
0.2605

 95.1664, 0.2327,
0.2787


 26.0664, 0.1952,
0.2512

 122.4453, 0.2387,
0.2828

 16.8733, 0.1799,
0.2393


 154.4945, 0.2439,
0.2864

 10.1442, 0.1606,
0.2235

 191.6984, 0.2484,
0.2894

 5.4947, 0.1355,
0.2017

234.4415, 0.2523,
0.2920

 2.5403, 0.1027,
0.1706

283.1080, 0.2558,

 0.8968, 0.0488,

0.2943

0.1267

338.0825, 0.2590,
0.2964

0.0000, 0.0000,
0.0000

53.3821, 0.2174,
0.2678

53.3821, 0.2174,
0.2678

49.3007, 0.2094,
0.2576

58.0238, 0.2273,
0.2779

45.7201, 0.2035,
0.2475

63.2657, 0.2390,
0.2877

42.6235, 0.1994,
0.2377

69.1494, 0.2522,
0.2972

75.7109, 0.2664,
0.3061

82.9829, 0.2814,
0.3144

■ 90.9958, 0.2968,
0.3220

99.7780, 0.3124,
0.3288

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.



53.3821, 0.2238, 0.3085



53.3821, 0.2174, 0.2678



53.3821, 0.2333, 0.2474

Triad

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



53.3821, 0.2174, 0.2678



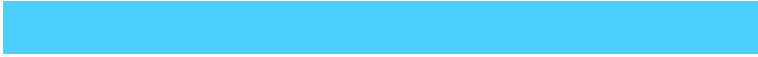
53.3821, 0.3734, 0.2969



53.3821, 0.3505, 0.4256

Complementary

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



53.3821, 0.2174, 0.2678



36.1644, 0.5123, 0.3725

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.



53.3821, 0.3947, 0.4120



53.3821, 0.2174, 0.2678



53.3821, 0.4102, 0.3369

Square

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



53.3821, 0.2174, 0.2678



53.3821, 0.3205, 0.2651



53.3821, 0.4176, 0.3783



53.3821, 0.2983, 0.4075

Rectangle

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



53.3821, 0.2174, 0.2678



53.3821, 0.2554, 0.2452



53.3821, 0.4176, 0.3783



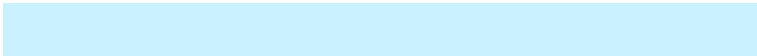
53.3821, 0.3668, 0.4241

Sweetspot

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



53.3840, 0.2174, 0.2678



82.4059, 0.2803, 0.3137



74.4929, 0.2862, 0.5035



17.1962, 0.2761, 0.3115



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.



53.3840, 0.2174, 0.2678



47.9000, 0.2069, 0.2538



21.6364, 0.1876, 0.1478



19.6097, 0.2980, 0.3225



22.5329, 0.1998, 0.2394



2.3742, 0.2030, 0.2508

Inverse Universe

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



30.9196, 0.3719, 0.2088



26.8916, 0.3873, 0.1996



69.4696, 0.4351, 0.4553



18.2124, 0.3179, 0.3118



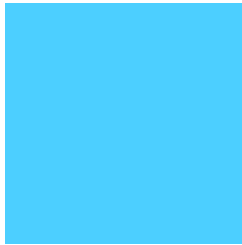
13.0027, 0.4030, 0.1993



1.2842, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 53.3821, 0.2174, 0.2678 looks on a white background.

Color Contrast Check

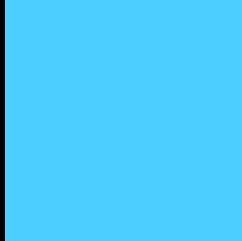
Large Text (above 18pt) WCAG AA × Fail

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 53.3821, 0.2174, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

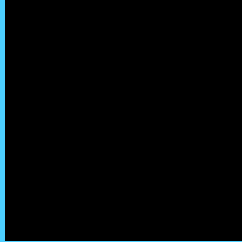
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

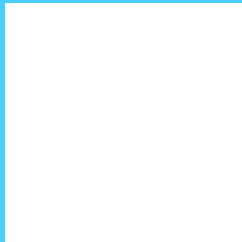
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3821, 0.2174, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 53.3821, 0.2174, 0.2678.



This preview shows how white text looks on a background with the Yxy color 53.3821, 0.2174, 0.2678.

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

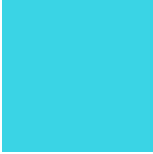
53.3821, 0.2174, 0.2678

Protanopia

52.8214, 0.2688, 0.2678

Deuteranopia

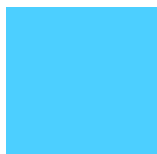
52.6139, 0.2579, 0.2526



Tritanopia

53.6437, 0.2247, 0.3057

Trichromacy



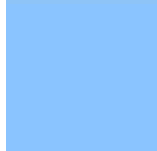
Original Color

53.3821, 0.2174, 0.2678



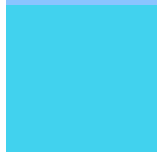
Protanomaly

51.9460, 0.2444, 0.2662



Deuteranomaly

52.1031, 0.2384, 0.2573



Tritanomaly

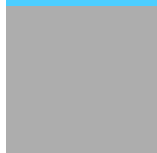
53.3901, 0.2221, 0.2916

Monochromacy



Original Color

53.3821, 0.2174, 0.2678



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.4130, 0.2643, 0.3041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3821, 0.2174, 0.2678 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(76, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 207, 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(76, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.3821, 0.2174, 0.2678 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(76, 207, 255) }
```

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

```
.border{ border-color:rgb(76, 207, 255) }
```

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

Here you see how a box with a 4 pixel rgb(76, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3821, 0.2174, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 207, 255) }
```

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

```
.background{ background-color: rgb(76, 207,  
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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