

Converting Colors

Yxy(51.5664, 0.2163, 0.2626)

Have a look what the booklet for
Yxy(51.5664, 0.2163, 0.2626)
contains.

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Color

Yxy(51.5097, 0.2163, 0.2624)

Conversions

Conversions Part 1

Format	Color
Hex	4DCBFF
RGB	77, 203, 255
RGB Percent	30%, 80%, 100%
CMY	0.6986, 0.2039, 0.0000
CMYK	0.70, 0.20, 0.00, 0.00
HSL	198°, 100%, 65%
HSV	198°, 70%, 100%
XYZ	42.4602, 51.5097, 102.3323
YIQ	171.2540, -91.7880, -10.5400

Conversions

Conversions Part 2

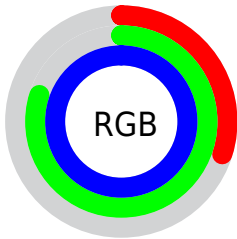
Format	Color
RYB	77, 151, 255
Decimal	5098495
CIELab	76.99, -18.58, -35.58
CIElCh	77, 40.143, 242.428
Yxy	51.5097, 0.2163, 0.2624
Android (android.graphics.Color)	4283288575 (0xFF4DCBFF)
YUV	171.2540, 41.2868, -82.6608
Hunter-Lab	71.7703, -19.9952, -34.2984

Details

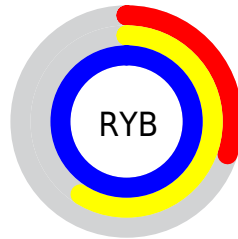
The Yxy color **51.5097, 0.2163, 0.2624** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.4523, 0.5070, 0.3767**, and the grayscale version is **40.6628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **25.5721, 0.2018, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **47.2201, 0.2079, 0.2512**, and if you desaturate by 10%, it is **56.3836, 0.2267, 0.2735**.

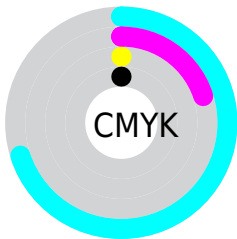
Distribution



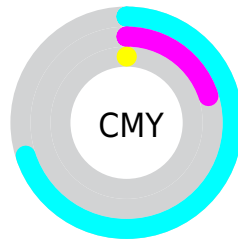
- Red (30%)
- Green (80%)
- Blue (100%)



- Red (30%)
- Yellow (59%)
- Blue (100%)



- Cyan (70%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5097, 0.2163, 0.2624 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 51.5097, 0.2163, 0.2624 by changing the saturation by 10% instead.


 51.5097, 0.2163,
0.2624


 51.5097, 0.2163,
0.2624


392.5408, 0.2614,
0.2954

 36.6144, 0.2061,
0.2545


 92.4078, 0.2319,
0.2742


 24.9091, 0.1936,
0.2445


 119.1793, 0.2380,
0.2787

 16.0093, 0.1780,
0.2317


 150.6784, 0.2433,
0.2825

 9.5308, 0.1582,
0.2147

 187.2894, 0.2478,
0.2858

 5.0890, 0.1325,
0.1915

229.3968, 0.2518,
0.2887

 2.2996, 0.0991,
0.1587

277.3849, 0.2554,

 0.7735, 0.0411,

0.2912

0.1130

331.6381, 0.2586,
0.2934

0.0000, 0.0000,
0.0000

51.5097, 0.2163,
0.2624

51.5097, 0.2163,
0.2624

47.2201, 0.2079,
0.2512

56.3836, 0.2267,
0.2735

43.4600, 0.2015,
0.2401

61.8869, 0.2388,
0.2843

40.1438, 0.1970,
0.2291

68.0600, 0.2522,
0.2946

40.0996, 0.1970,
0.2290

74.9391, 0.2668,
0.3043

82.5575, 0.2819,
0.3134

■ 90.9459, 0.2974,
0.3216

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.



51.5097, 0.2198, 0.3014



51.5097, 0.2163, 0.2624



51.5097, 0.2354, 0.2445

Triad

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



51.5097, 0.2163, 0.2624



51.5097, 0.3811, 0.3012



51.5097, 0.3443, 0.4274

Complementary

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



51.5097, 0.2163, 0.2624



37.4523, 0.5070, 0.3767

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.



51.5097, 0.3914, 0.4171



51.5097, 0.2163, 0.2624



51.5097, 0.4154, 0.3426

Square

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



51.5097, 0.2163, 0.2624



51.5097, 0.3280, 0.2674



51.5097, 0.4185, 0.3844



51.5097, 0.2910, 0.4046

Rectangle

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



51.5097, 0.2163, 0.2624



51.5097, 0.2596, 0.2441



51.5097, 0.4185, 0.3844



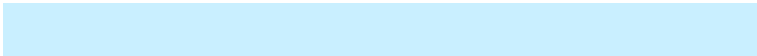
51.5097, 0.3614, 0.4274

Sweetspot

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



51.5099, 0.2163, 0.2624



81.6516, 0.2802, 0.3124



74.6326, 0.2851, 0.4987



17.0155, 0.2759, 0.3099



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.



51.5099, 0.2163, 0.2624



45.6031, 0.2050, 0.2466



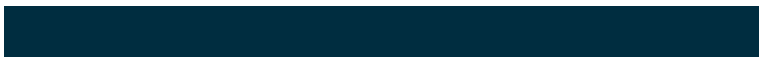
21.1566, 0.1873, 0.1452



19.5333, 0.2980, 0.3219



21.2234, 0.1975, 0.2308



2.2553, 0.2009, 0.2433

Inverse Universe

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



30.8598, 0.3767, 0.2127



26.6597, 0.3943, 0.2038



71.1116, 0.4323, 0.4572



18.2047, 0.3183, 0.3123



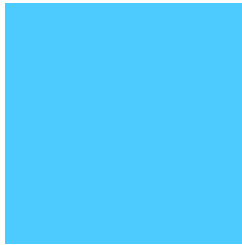
12.8705, 0.4118, 0.2042



1.2722, 0.3989, 0.1971

Previews

White Background



This preview shows how the Yxy color 51.5097, 0.2163, 0.2624 looks on a white background.

Color Contrast Check

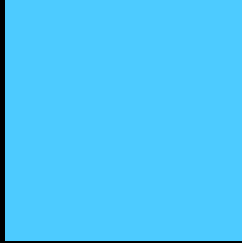
Large Text (above 18pt) WCAG AA × Fail

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 51.5097, 0.2163, 0.2624 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

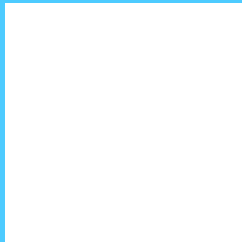
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5097, 0.2163, 0.2624

Background



This preview shows how black text looks on a background with the Yxy color 51.5097, 0.2163, 0.2624.



This preview shows how white text looks on a background with the Yxy color 51.5097, 0.2163, 0.2624.

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

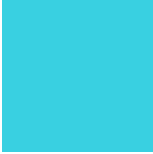
51.5097, 0.2163, 0.2624

Protanopia

51.0104, 0.2645, 0.2625

Deuteranopia

50.6626, 0.2536, 0.2483



Tritanopia

51.4179, 0.2246, 0.3053

Trichromacy



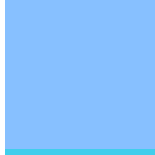
Original Color

51.5097, 0.2163, 0.2624



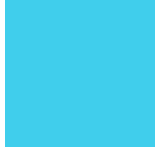
Protanomaly

50.3443, 0.2421, 0.2621



Deuteranomaly

50.0702, 0.2359, 0.2519



Tritanomaly

51.2887, 0.2212, 0.2885

Monochromacy



Original Color

51.5097, 0.2163, 0.2624



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.4496, 0.2640, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5097, 0.2163, 0.2624 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(77, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 203, 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(77, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.5097, 0.2163, 0.2624 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(77, 203, 255) }
```

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

```
.border{ border-color:rgb(77, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5097, 0.2163, 0.2624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 203, 255) }
```

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

```
.background{ background-color: rgb(77, 203,  
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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