

Converting Colors

$Y_{xy}(49.1398, 0.2094, 0.2571)$

Have a look what the booklet for
Yxy(49.1398, 0.2094, 0.2571)
contains.

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Color

Yxy(49.2324, 0.2095, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	33C8FF
RGB	51, 200, 255
RGB Percent	20%, 78%, 100%
CMY	0.7993, 0.2157, 0.0002
CMYK	0.80, 0.22, 0.00, 0.00
HSL	196°, 100%, 60%
HSV	196°, 80%, 100%
XYZ	40.0707, 49.2324, 101.9650
YIQ	161.7190, -106.4590, -14.4830

Conversions

Conversions Part 2

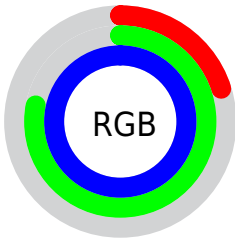
Format	Color
R _Y B	51, 137, 255
Decimal	3393791
CIE Lab	75.60, -19.89, -37.75
CIE LCh	76, 42.669, 242.210
Yxy	49.2324, 0.2095, 0.2574
Android (android.graphics.Color)	4281583871 (0xFF33C8FF)
YUV	161.7190, 45.9875, -97.1006
Hunter-Lab	70.1658, -20.8514, -37.0442

Details

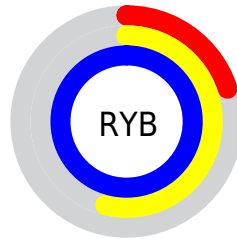
The Yxy color **49.2324, 0.2095, 0.2574** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **31.8319, 0.5487, 0.3717**, and the grayscale version is **35.8361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **24.6350, 0.2003, 0.2410** is the 20% darker color. If you saturate the color by 10%, you get **45.6269, 0.2035, 0.2472**, and if you desaturate by 10%, it is **53.3475, 0.2176, 0.2677**.

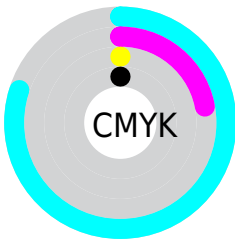
Distribution



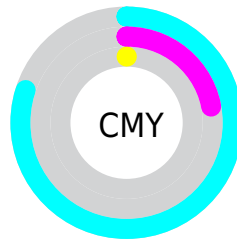
- Red (20%)
- Green (78%)
- Blue (100%)



- Red (20%)
- Yellow (54%)
- Blue (100%)



- Cyan (80%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2324, 0.2095, 0.2574 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 49.2324, 0.2095, 0.2574 by changing the saturation by 10% instead.


 49.2324, 0.2095,
0.2574


 49.2324, 0.2095,
0.2574


383.6565, 0.2579,
0.2931


 34.8039, 0.1986,
0.2488


 89.0365, 0.2263,
0.2702

 23.5118, 0.1852,
0.2380


 115.1809, 0.2328,
0.2751

 14.9719, 0.1686,
0.2240


 145.9994, 0.2384,
0.2792

 8.7997, 0.1475,
0.2056

 181.8763, 0.2433,
0.2828

 4.6107, 0.1206,
0.1805

223.1961, 0.2476,
0.2859

 2.0207, 0.0861,
0.1455

270.3431, 0.2514,

 0.6195, 0.0160,

0.2886

0.0959

323.7018, 0.2548,
0.2910

■ 0.0000, 0.0000,
0.0000

■ 49.2324, 0.2095,
0.2574

■ 49.2324, 0.2095,
0.2574

■ 45.6269, 0.2035,
0.2472

■ 53.3475, 0.2176,
0.2677

■ 42.4399, 0.1992,
0.2371

■ 58.0206, 0.2276,
0.2779

■ 42.4167, 0.1992,
0.2370

■ 63.2988, 0.2394,
0.2878

■ 69.2218, 0.2526,
0.2972

■ 75.8254, 0.2669,
0.3062

■ 83.1423, 0.2819,
0.3145

■ 91.2029, 0.2973,
0.3221

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



49.2324, 0.2132, 0.2991



49.2324, 0.2095, 0.2574



49.2324, 0.2295, 0.2385

Triad

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



49.2324, 0.2095, 0.2574



49.2324, 0.3862, 0.2987



49.2324, 0.3466, 0.4357

Complementary

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



49.2324, 0.2095, 0.2574



31.8319, 0.5487, 0.3717

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.



49.2324, 0.3974, 0.4233



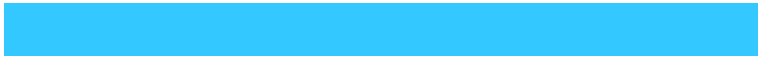
49.2324, 0.2095, 0.2574



49.2324, 0.4234, 0.3426

Square

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



49.2324, 0.2095, 0.2574



49.2324, 0.3286, 0.2629



49.2324, 0.4267, 0.3874



49.2324, 0.2893, 0.4115

Rectangle

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



49.2324, 0.2095, 0.2574



49.2324, 0.2552, 0.2381



49.2324, 0.4267, 0.3874



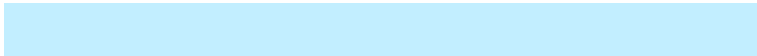
49.2324, 0.3650, 0.4352

Sweetspot

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



49.2341, 0.2095, 0.2574



80.0995, 0.2757, 0.3112



73.2348, 0.2867, 0.5288



16.5912, 0.2704, 0.3082



0.0000, 0.0000, 0.0000



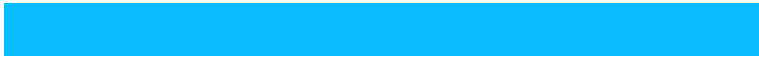
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2341, 0.2095, 0.2574



43.6691, 0.2008, 0.2411



16.7993, 0.1739, 0.1224



19.6039, 0.2980, 0.3224



22.4313, 0.1997, 0.2387



2.3650, 0.2029, 0.2502

Inverse Universe

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



27.8066, 0.3833, 0.2017



25.1543, 0.4010, 0.1996



66.3197, 0.4488, 0.4634



18.2118, 0.3180, 0.3118



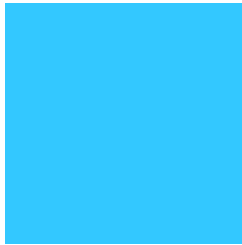
12.9924, 0.4036, 0.1997



1.2833, 0.3920, 0.1933

Previews

White Background



This preview shows how the Yxy color 49.2324, 0.2095, 0.2574 looks on a white background.

Color Contrast Check

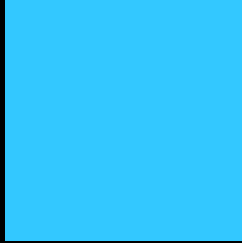
Large Text (above 18pt) WCAG AA × Fail

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 49.2324, 0.2095, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

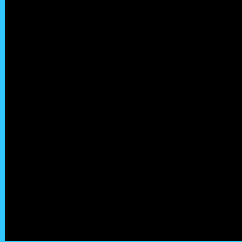
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

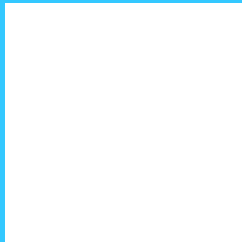
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2324, 0.2095, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 49.2324, 0.2095, 0.2574.



This preview shows how white text looks on a background with the Yxy color 49.2324, 0.2095, 0.2574.

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

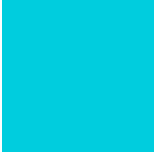
49.2324, 0.2095, 0.2574

Protanopia

48.7128, 0.2612, 0.2580

Deuteranopia

48.6640, 0.2487, 0.2437



Tritanopia

48.9366, 0.2180, 0.3046

Trichromacy



Original Color

49.2324, 0.2095, 0.2574



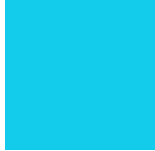
Protanomaly

47.5462, 0.2343, 0.2556



Deuteranomaly

47.6801, 0.2283, 0.2467



Tritanomaly

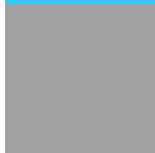
48.7908, 0.2138, 0.2860

Monochromacy



Original Color

49.2324, 0.2095, 0.2574



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.1738, 0.2564, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2324, 0.2095, 0.2574 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(51, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.2324, 0.2095, 0.2574 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(51, 200, 255) }
```

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

```
.border{ border-color:rgb(51, 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(51, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2324, 0.2095, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 200, 255) }
```

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

```
.background{ background-color: rgb(51, 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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