

Converting Colors

$Y_{xy}(54.9009, 0.2121, 0.2740)$

Have a look what the booklet for
Yxy(54.9009, 0.2121, 0.2740)
contains.

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Color

Yxy(54.7383, 0.2120, 0.2735)

Conversions

Conversions Part 1

Format	Color
Hex	27D4FF
RGB	39, 212, 255
RGB Percent	15%, 83%, 100%
CMY	0.8478, 0.1686, 0.0000
CMYK	0.85, 0.17, 0.00, 0.00
HSL	192°, 100%, 58%
HSV	192°, 85%, 100%
XYZ	42.4297, 54.7383, 102.9720
YIQ	165.1750, -116.9110, -23.3030

Conversions

Conversions Part 2

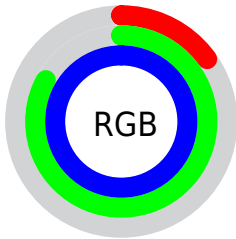
Format	Color
R _Y B	39, 135, 255
Decimal	2610431
CIE Lab	78.89, -26.88, -32.71
CIE LCh	79, 42.336, 230.590
Yxy	54.7383, 0.2120, 0.2735
Android (android.graphics.Color)	4280800511 (0xFF27D4FF)
YUV	165.1750, 44.2837, -110.6555
Hunter-Lab	73.9853, -27.1068, -30.7295

Details

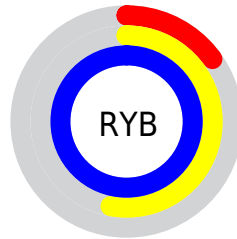
The Yxy color **54.7383, 0.2120, 0.2735** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.4114, 0.5803, 0.3566**, and the grayscale version is **37.5145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **28.1912, 0.2058, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **51.9017, 0.2079, 0.2663**, and if you desaturate by 10%, it is **57.9860, 0.2181, 0.2809**.

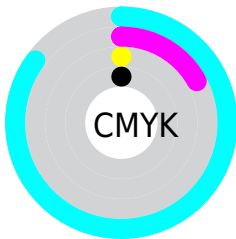
Distribution



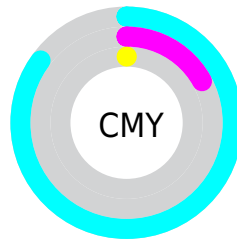
- Red (15%)
- Green (83%)
- Blue (100%)



- Red (15%)
- Yellow (53%)
- Blue (100%)



- Cyan (85%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (85%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7383, 0.2120, 0.2735 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 54.7383, 0.2120, 0.2735 by changing the saturation by 10% instead.


 54.7383, 0.2120,
0.2735


 54.7383, 0.2120,
0.2735


404.9192, 0.2585,
0.3015

 39.1922, 0.2016,
0.2667


 97.1574, 0.2280,
0.2836


 26.9093, 0.1889,
0.2580


 124.7993, 0.2343,
0.2874

 17.5051, 0.1732,
0.2468


 157.2418, 0.2397,
0.2907

 10.5953, 0.1534,
0.2318

 194.8695, 0.2444,
0.2934

 5.7954, 0.1280,
0.2109

238.0667, 0.2486,
0.2958

 2.7211, 0.0952,
0.1808

287.2177, 0.2523,

 0.9879, 0.0390,

0.2980

0.1381

342.7071, 0.2556,
0.2998

■ 0.0000, 0.0000,
0.0000

■ 54.7383, 0.2120,
0.2735

■ 54.7383, 0.2120,
0.2735

■ 51.9017, 0.2079,
0.2663

■ 57.9860, 0.2181,
0.2809

■ 50.5416, 0.2063,
0.2625

■ 61.7059, 0.2261,
0.2882

■ 65.9448, 0.2361,
0.2955

■ 70.7440, 0.2477,
0.3025

■ 76.1399, 0.2608,
0.3091

■ 82.1656, 0.2750,
0.3154

■ 88.8515, 0.2899,
0.3213

■ 96.2259, 0.3053,
0.3266

■ 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.



54.7383, 0.2248, 0.3211



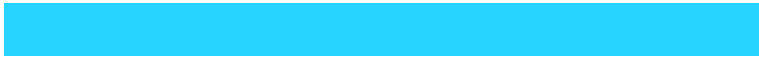
54.7383, 0.2120, 0.2735



54.7383, 0.2226, 0.2465

Triad

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



54.7383, 0.2120, 0.2735



54.7383, 0.3630, 0.2853



54.7383, 0.3659, 0.4303

Complementary

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



54.7383, 0.2120, 0.2735



27.4114, 0.5803, 0.3566

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.



54.7383, 0.4081, 0.4083



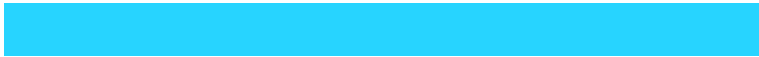
54.7383, 0.2120, 0.2735



54.7383, 0.4083, 0.3255

Square

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



54.7383, 0.2120, 0.2735



54.7383, 0.3058, 0.2554



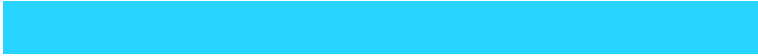
54.7383, 0.4248, 0.3693



54.7383, 0.3116, 0.4209

Rectangle

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



54.7383, 0.2120, 0.2735



54.7383, 0.2421, 0.2407



54.7383, 0.4248, 0.3693



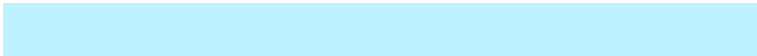
54.7383, 0.3820, 0.4258

Sweetspot

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



54.7375, 0.2120, 0.2736



82.0246, 0.2746, 0.3153



72.5043, 0.2927, 0.5587



17.0888, 0.2696, 0.3131



0.0000, 0.0000, 0.0000



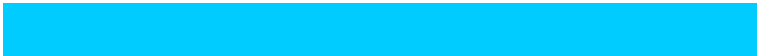
21.4041, 0.3127, 0.3290

Same Dimension

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



54.7375, 0.2120, 0.2736



50.5416, 0.2063, 0.2625



18.2205, 0.1736, 0.1309



19.8315, 0.2980, 0.3242



26.6253, 0.2066, 0.2637



2.7412, 0.2089, 0.2720

Inverse Universe

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



27.4528, 0.3687, 0.1880



25.6334, 0.3800, 0.1867



56.7519, 0.4713, 0.4513



18.2348, 0.3169, 0.3102



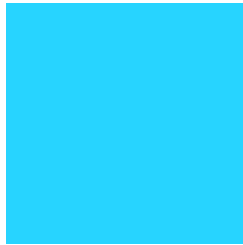
13.4158, 0.3788, 0.1860



1.3213, 0.3709, 0.1817

Previews

White Background



This preview shows how the Yxy color 54.7383, 0.2120, 0.2735 looks on a white background.

Color Contrast Check

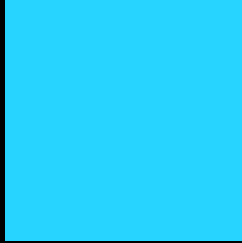
Large Text (above 18pt) WCAG AA × Fail

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 54.7383, 0.2120, 0.2735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

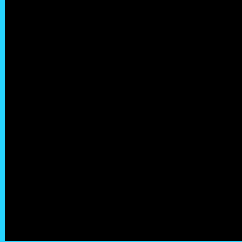
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.7383, 0.2120, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 54.7383, 0.2120, 0.2735.



This preview shows how white text looks on a background with the Yxy color 54.7383, 0.2120, 0.2735.

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

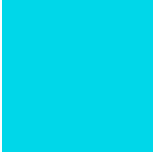
54.7383, 0.2120, 0.2735

Protanopia

53.9356, 0.2723, 0.2727

Deuteranopia

53.8287, 0.2601, 0.2554



Tritanopia

54.4841, 0.2179, 0.3043

Trichromacy



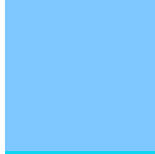
Original Color

54.7383, 0.2120, 0.2735



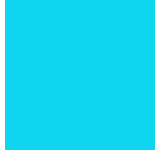
Protanomaly

52.1852, 0.2398, 0.2713



Deuteranomaly

52.5789, 0.2337, 0.2602



Tritanomaly

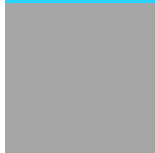
54.5374, 0.2153, 0.2928

Monochromacy



Original Color

54.7383, 0.2120, 0.2735



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.4551, 0.2547, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7383, 0.2120, 0.2735 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(39, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(39, 212, 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(39, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 54.7383, 0.2120, 0.2735 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(39, 212, 255) }
```

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

```
.border{ border-color:rgb(39, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(39, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7383, 0.2120, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 212, 255) }
```

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

```
.background{ background-color: rgb(39, 212,  
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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