

Converting Colors

$Y_{xy}(55.4085, 0.2162, 0.2742)$

Have a look what the booklet for
Yxy(55.4085, 0.2162, 0.2742)
contains.

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Color

Yxy(55.3970, 0.2163, 0.2741)

Conversions

Conversions Part 1

Format	Color
Hex	40D4FF
RGB	64, 212, 255
RGB Percent	25%, 83%, 100%
CMY	0.7483, 0.1687, 0.0000
CMYK	0.75, 0.17, 0.00, 0.00
HSL	194°, 100%, 63%
HSV	194°, 75%, 100%
XYZ	43.7153, 55.3970, 102.9927
YIQ	172.6500, -102.0110, -18.0030

Conversions

Conversions Part 2

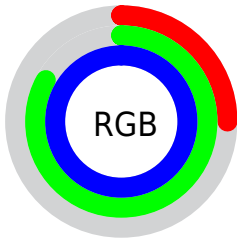
Format	Color
R _{YB}	64, 147, 255
Decimal	4248831
CIE _{Lab}	79.27, -24.69, -32.07
CIE _{LCh}	79, 40.473, 232.407
Yxy	55.3970, 0.2163, 0.2741
Android (android.graphics.Color)	4282438911 (0xFF40D4FF)
YUV	172.6500, 40.5986, -95.2860
Hunter-Lab	74.4292, -25.4106, -29.9432

Details

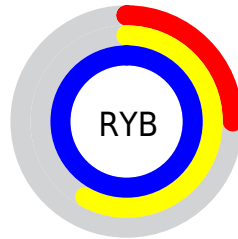
The Yxy color **55.3970, 0.2163, 0.2741** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **32.1857, 0.5378, 0.3648**, and the grayscale version is **41.4564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **28.1912, 0.2058, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **51.9058, 0.2099, 0.2657**, and if you desaturate by 10%, it is **59.3851, 0.2247, 0.2825**.

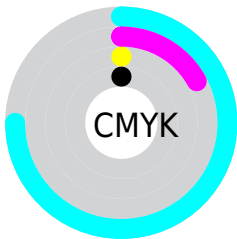
Distribution



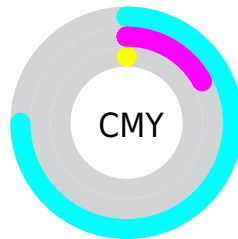
- Red (25%)
- Green (83%)
- Blue (100%)



- Red (25%)
- Yellow (58%)
- Blue (100%)



- Cyan (75%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3970, 0.2163, 0.2741 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 55.3970, 0.2163, 0.2741 by changing the saturation by 10% instead.


 55.3970, 0.2163,
0.2741

 55.3970, 0.2163,
0.2741


407.4151, 0.2609,
0.3016


 39.7197, 0.2063,
0.2674


 98.1224, 0.2317,
0.2840

 27.3200, 0.1941,
0.2590


 125.9392, 0.2377,
0.2877

 17.8137, 0.1790,
0.2480


 158.5713, 0.2429,
0.2909

 10.8163, 0.1598,
0.2334

 196.4031, 0.2474,
0.2937

 5.9435, 0.1350,
0.2132

239.8190, 0.2514,
0.2960

 2.8107, 0.1027,
0.1839

289.2034, 0.2549,

 1.0337, 0.0511,

0.2981

0.1417

344.9406, 0.2580,
0.3000

■ 0.0000, 0.0000,
0.0000

■ 55.3970, 0.2163,
0.2741

■ 55.3970, 0.2163,
0.2741

■ 51.9058, 0.2099,
0.2657

■ 59.3851, 0.2247,
0.2825

■ 48.8466, 0.2054,
0.2573

■ 63.9123, 0.2350,
0.2908

■ 47.3925, 0.2036,
0.2531

■ 69.0221, 0.2470,
0.2988

■ 74.7514, 0.2604,
0.3064

■ 81.1334, 0.2747,
0.3136

■ 88.1990, 0.2898,
0.3202

■ 95.9768, 0.3052,
0.3263

■ 99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



55.3970, 0.2273, 0.3186



55.3970, 0.2163, 0.2741



55.3970, 0.2278, 0.2493

Triad

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



55.3970, 0.2163, 0.2741



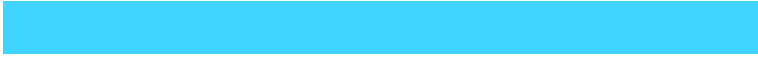
55.3970, 0.3638, 0.2894



55.3970, 0.3608, 0.4258

Complementary

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



55.3970, 0.2163, 0.2741



32.1857, 0.5378, 0.3648

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.



55.3970, 0.4020, 0.4068



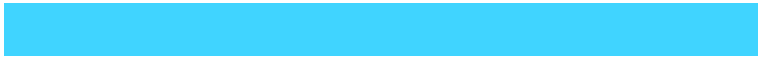
55.3970, 0.2163, 0.2741



55.3970, 0.4055, 0.3284

Square

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



55.3970, 0.2163, 0.2741



55.3970, 0.3095, 0.2599



55.3970, 0.4194, 0.3704



55.3970, 0.3087, 0.4145

Rectangle

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



55.3970, 0.2163, 0.2741



55.3970, 0.2474, 0.2444



55.3970, 0.4194, 0.3704



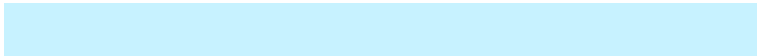
55.3970, 0.3764, 0.4223

Sweetspot

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



55.3990, 0.2163, 0.2741



83.0652, 0.2789, 0.3155



73.6448, 0.2896, 0.5272



17.3835, 0.2749, 0.3137



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.



55.3990, 0.2163, 0.2741



50.2760, 0.2073, 0.2613



21.3305, 0.1836, 0.1468



19.7461, 0.2980, 0.3235



24.9988, 0.2040, 0.2544



2.5961, 0.2067, 0.2639

Inverse Universe

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



29.6997, 0.3670, 0.1983



26.3019, 0.3806, 0.1910



63.3734, 0.4496, 0.4520



18.2262, 0.3173, 0.3108



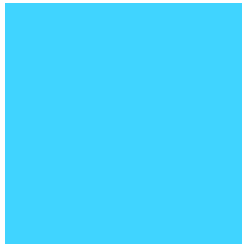
13.2516, 0.3878, 0.1910



1.3066, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 55.3970, 0.2163, 0.2741 looks on a white background.

Color Contrast Check

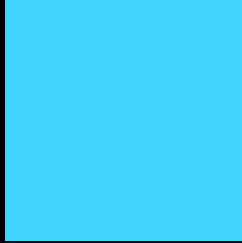
Large Text (above 18pt) WCAG AA × Fail

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 55.3970, 0.2163, 0.2741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

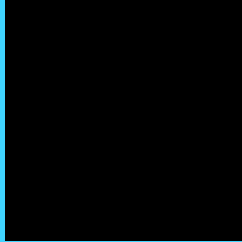
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

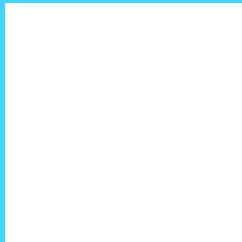
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.3970, 0.2163, 0.2741

Background



This preview shows how black text looks on a background with the Yxy color 55.3970, 0.2163, 0.2741.



This preview shows how white text looks on a background with the Yxy color 55.3970, 0.2163, 0.2741.

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

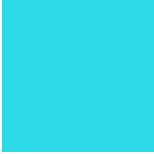
55.3970, 0.2163, 0.2741

Protanopia

54.5581, 0.2725, 0.2729

Deuteranopia

54.5030, 0.2615, 0.2569



Tritanopia

55.5528, 0.2222, 0.3059

Trichromacy



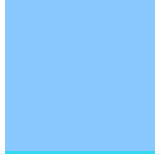
Original Color

55.3970, 0.2163, 0.2741



Protanomaly

53.5378, 0.2446, 0.2723



Deuteranomaly

53.3852, 0.2386, 0.2610



Tritanomaly

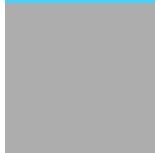
55.6818, 0.2200, 0.2945

Monochromacy



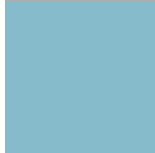
Original Color

55.3970, 0.2163, 0.2741



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.8390, 0.2614, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3970, 0.2163, 0.2741 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(64, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.3970, 0.2163, 0.2741 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(64, 212, 255) }
```

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

```
.border{ border-color:rgb(64, 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(64, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3970, 0.2163, 0.2741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 212, 255) }
```

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

```
.background{ background-color: rgb(64, 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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