

Converting Colors

$Y_{xy}(54.3954, 0.2209, 0.2889)$

Have a look what the booklet for
Yxy(54.3954, 0.2209, 0.2889)
contains.

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Color

Yxy(54.5878, 0.2210, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	40D4F2
RGB	64, 212, 242
RGB Percent	25%, 83%, 95%
CMY	0.7490, 0.1686, 0.0509
CMYK	0.74, 0.12, 0.00, 0.05
HSL	190°, 87%, 60%
HSV	190°, 74%, 95%
XYZ	41.6859, 54.5878, 92.3503
YIQ	171.1680, -97.8380, -22.0460

Conversions

Conversions Part 2

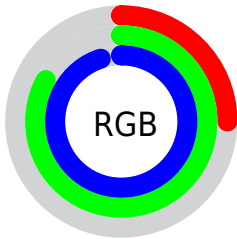
Format	Color
R _{YB}	64, 145, 242
Decimal	4248818
CIE Lab	78.80, -28.75, -25.86
CIE LCh	79, 38.670, 221.976
Yxy	54.5878, 0.2210, 0.2894
Android (android.graphics.Color)	4282438898 (0xFF40D4F2)
YUV	171.1680, 34.9202, -93.9863
Hunter-Lab	73.8836, -28.5846, -22.3907

Details

The Yxy color **54.5878, 0.2210, 0.2894** 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 **27.2585, 0.5415, 0.3552**, and the grayscale version is **40.6746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **27.6591, 0.2107, 0.2786** is the 20% darker color. If you saturate the color by 10%, you get **51.9325, 0.2151, 0.2833**, and if you desaturate by 10%, it is **57.6503, 0.2289, 0.2955**.

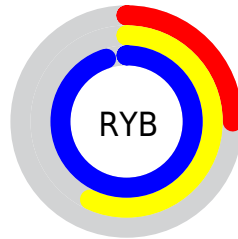
Distribution



Red (25%)

Green (83%)

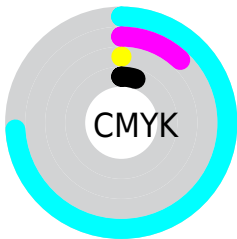
Blue (95%)



Red (25%)

Yellow (57%)

Blue (95%)

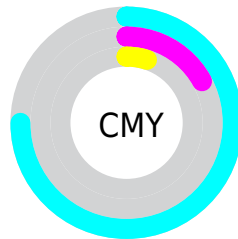


Cyan (74%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (17%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5878, 0.2210, 0.2894 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 54.5878, 0.2210, 0.2894 by changing the saturation by 10% instead.


 54.5878, 0.2210,
0.2894


 54.5878, 0.2210,
0.2894

404.3475, 0.2638,
0.3099

 39.0718, 0.2113,
0.2842

 96.9368, 0.2358,
0.2969


 26.8156, 0.1994,
0.2776


 124.5385, 0.2416,
0.2997

 17.4348, 0.1845,
0.2688


 156.9376, 0.2466,
0.3021

 10.5450, 0.1654,
0.2568

 194.5185, 0.2509,
0.3041

 5.7617, 0.1404,
0.2395

237.6655, 0.2547,
0.3058

 2.7008, 0.1070,
0.2131

286.7631, 0.2581,

 0.9776, 0.0401,

0.3073

0.1745

342.1956, 0.2611,
0.3087

■ 0.0000, 0.0000,
0.0000

■ 54.5878, 0.2210,
0.2894

■ 54.5878, 0.2210,
0.2894

■ 51.9325, 0.2151,
0.2833

■ 57.6503, 0.2289,
0.2955

■ 49.6288, 0.2111,
0.2772

■ 61.1549, 0.2386,
0.3015

■ 48.2827, 0.2093,
0.2734

■ 65.1388, 0.2501,
0.3074

■ 69.6335, 0.2630,
0.3129

■ 74.6676, 0.2770,
0.3182

 80.2674, 0.2919,
0.3230

 86.4573, 0.3072,
0.3275

 92.7595, 0.3210,
0.3316

 95.2507, 0.3207,
0.3355

Harmonies

Analogous

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



54.5878, 0.2393, 0.3370



54.5878, 0.2210, 0.2894



54.5878, 0.2246, 0.2583

Triad

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



54.5878, 0.2210, 0.2894



54.5878, 0.3441, 0.2796



54.5878, 0.3747, 0.4184

Complementary

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



54.5878, 0.2210, 0.2894



27.2585, 0.5415, 0.3552

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.



54.5878, 0.4075, 0.3932



54.5878, 0.2210, 0.2894



54.5878, 0.3903, 0.3149

Square

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



54.5878, 0.2210, 0.2894



54.5878, 0.2920, 0.2556



54.5878, 0.4140, 0.3552



54.5878, 0.3268, 0.4183

Rectangle

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



54.5878, 0.2210, 0.2894



54.5878, 0.2389, 0.2489



54.5878, 0.4140, 0.3552



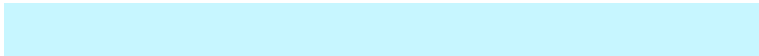
54.5878, 0.3880, 0.4122

Sweetspot

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



54.5898, 0.2210, 0.2894



84.9819, 0.2792, 0.3189



65.4028, 0.2928, 0.5338



17.8409, 0.2752, 0.3175



0.0000, 0.0000, 0.0000



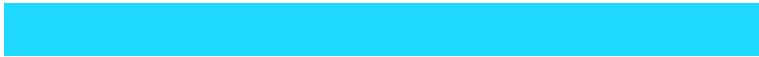
21.4041, 0.3127, 0.3290

Same Dimension

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



54.5898, 0.2210, 0.2894



57.2181, 0.2130, 0.2804



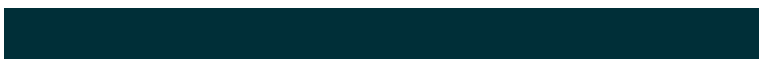
21.7537, 0.1887, 0.1625



17.4489, 0.2981, 0.3249



26.1112, 0.2096, 0.2744



2.2911, 0.2118, 0.2823

Inverse Universe

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



27.3009, 0.3531, 0.1915



27.2378, 0.3626, 0.1820



52.9834, 0.4549, 0.4430



15.9830, 0.3164, 0.3096



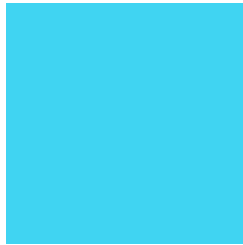
12.4293, 0.3687, 0.1805



1.0460, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 54.5878, 0.2210, 0.2894 looks on a white background.

Color Contrast Check

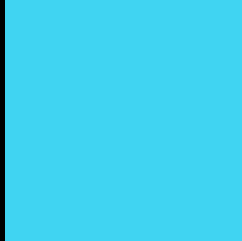
Large Text (above 18pt) WCAG AA × Fail

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 54.5878, 0.2210, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

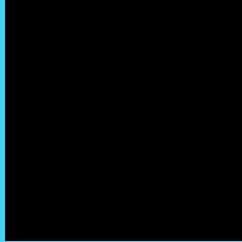
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.5878, 0.2210, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 54.5878, 0.2210, 0.2894.



This preview shows how white text looks on a background with the Yxy color 54.5878, 0.2210, 0.2894.

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

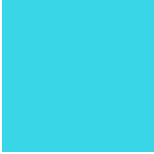
54.5878, 0.2210, 0.2894

Protanopia

53.7398, 0.2827, 0.2861

Deuteranopia

53.7327, 0.2692, 0.2632



Tritanopia

54.7034, 0.2242, 0.3059

Trichromacy



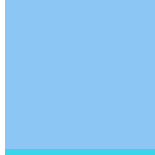
Original Color

54.5878, 0.2210, 0.2894



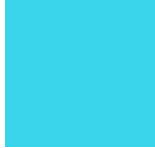
Protanomaly

52.4808, 0.2522, 0.2859



Deuteranomaly

52.5562, 0.2447, 0.2708



Tritanomaly

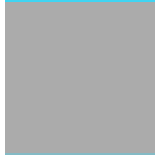
54.5165, 0.2229, 0.2994

Monochromacy



Original Color

54.5878, 0.2210, 0.2894



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.0546, 0.2643, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5878, 0.2210, 0.2894 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(64, 212, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 212, 242) }
```

Border

The CSS property to change the border of an element to Yxy 54.5878, 0.2210, 0.2894 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, 242) }
```

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

```
.border{ border-color:rgb(64, 212, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 212, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 212, 242);  
box-shadow:4px 4px 4px 4px rgb(64, 212,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5878, 0.2210, 0.2894 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, 242) }
```

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

```
.background{ background-color: rgb(64, 212,  
242) }
```

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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