

Converting Colors

$Y_{xy}(55.8048, 0.2192, 0.2743)$

Have a look what the booklet for
Yxy(55.8048, 0.2192, 0.2743)
contains.

Yxy(55.8847, 0.2193, 0.2745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.8847, 0.2193, 0.2745)

Conversions

Conversions Part 1

Format	Color
Hex	4DD4FF
RGB	77, 212, 255
RGB Percent	30%, 83%, 100%
CMY	0.6986, 0.1686, 0.0000
CMYK	0.70, 0.17, 0.00, 0.00
HSL	194°, 100%, 65%
HSV	194°, 70%, 100%
XYZ	44.6467, 55.8847, 103.0559
YIQ	176.5370, -94.2630, -15.2470

Conversions

Conversions Part 2

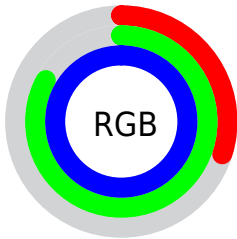
Format	Color
R _Y B	77, 154, 255
Decimal	5100799
CIE Lab	79.55, -23.17, -31.63
CIE LCh	80, 39.207, 233.774
Yxy	55.8847, 0.2193, 0.2745
Android (android.graphics.Color)	4283290879 (0xFF4DD4FF)
YUV	176.5370, 38.6823, -87.2939
Hunter-Lab	74.7561, -24.2173, -29.4057

Details

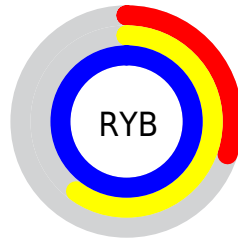
The Yxy color **55.8847, 0.2193, 0.2745** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.1878, 0.5151, 0.3679**, and the grayscale version is **43.5217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **28.1912, 0.2058, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **52.0086, 0.2117, 0.2654**, and if you desaturate by 10%, it is **60.2948, 0.2289, 0.2835**.

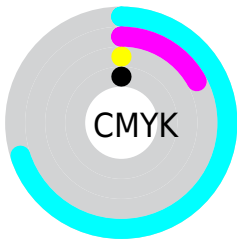
Distribution



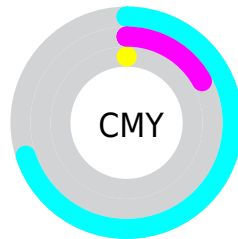
- Red (30%)
- Green (83%)
- Blue (100%)



- Red (30%)
- Yellow (60%)
- Blue (100%)



- Cyan (70%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8847, 0.2193, 0.2745 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 55.8847, 0.2193, 0.2745 by changing the saturation by 10% instead.

 55.8847, 0.2193,
0.2745


 55.8847, 0.2193,
0.2745


409.2568, 0.2625,
0.3017

 40.1105, 0.2096,
0.2679


 98.8360, 0.2342,
0.2843

 27.6247, 0.1977,
0.2596


 126.7818, 0.2400,
0.2880

 18.0429, 0.1830,
0.2489


 159.5537, 0.2451,
0.2911

 10.9808, 0.1643,
0.2346

 197.5359, 0.2494,
0.2938

 6.0539, 0.1400,
0.2147

241.1130, 0.2533,
0.2962

 2.8779, 0.1081,
0.1860

290.6692, 0.2567,

 1.0683, 0.0593,

0.2982

0.1442

346.5890, 0.2598,
0.3000

0.0000, 0.0000,
0.0000

55.8847, 0.2193,
0.2745

55.8847, 0.2193,
0.2745

52.0086, 0.2117,
0.2654

60.2948, 0.2289,
0.2835

48.6110, 0.2060,
0.2564

65.2811, 0.2403,
0.2923

45.6080, 0.2021,
0.2475

70.8838, 0.2532,
0.3007

45.5680, 0.2020,
0.2473

77.1380, 0.2672,
0.3087

84.0761, 0.2821,
0.3161

■ 91.7278, 0.2974,
0.3229

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.



55.8847, 0.2291, 0.3168



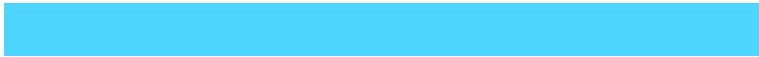
55.8847, 0.2193, 0.2745



55.8847, 0.2315, 0.2512

Triad

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



55.8847, 0.2193, 0.2745



55.8847, 0.3643, 0.2922



55.8847, 0.3572, 0.4226

Complementary

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



55.8847, 0.2193, 0.2745



35.1878, 0.5151, 0.3679

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.



55.8847, 0.3977, 0.4057



55.8847, 0.2193, 0.2745



55.8847, 0.4036, 0.3305

Square

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



55.8847, 0.2193, 0.2745



55.8847, 0.3121, 0.2630



55.8847, 0.4157, 0.3711



55.8847, 0.3066, 0.4100

Rectangle

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



55.8847, 0.2193, 0.2745



55.8847, 0.2511, 0.2470



55.8847, 0.4157, 0.3711



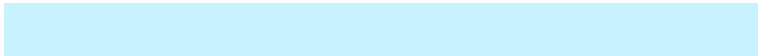
55.8847, 0.3725, 0.4198

Sweetspot

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



55.8855, 0.2193, 0.2745



83.2511, 0.2804, 0.3153



74.4096, 0.2885, 0.5099



17.3989, 0.2762, 0.3133



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.



55.8855, 0.2193, 0.2745



50.5480, 0.2091, 0.2617



23.2969, 0.1899, 0.1561



19.6950, 0.2980, 0.3231



24.0547, 0.2025, 0.2488



2.5114, 0.2053, 0.2590

Inverse Universe

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



31.3012, 0.3658, 0.2053



27.1589, 0.3797, 0.1952



66.6591, 0.4389, 0.4501



18.2210, 0.3175, 0.3111



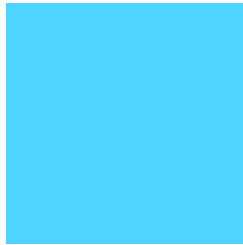
13.1563, 0.3934, 0.1941



1.2981, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 55.8847, 0.2193, 0.2745 looks on a white background.

Color Contrast Check

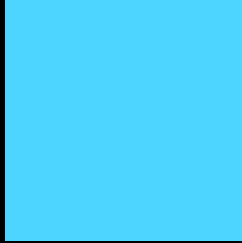
Large Text (above 18pt) WCAG AA × Fail

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 55.8847, 0.2193, 0.2745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

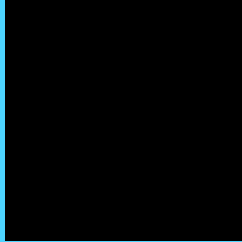
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8847, 0.2193, 0.2745

Background



This preview shows how black text looks on a background with the Yxy color 55.8847, 0.2193, 0.2745.



This preview shows how white text looks on a background with the Yxy color 55.8847, 0.2193, 0.2745.

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

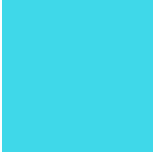
55.8847, 0.2193, 0.2745

Protanopia

55.1847, 0.2727, 0.2732

Deuteranopia

55.1837, 0.2629, 0.2583



Tritanopia

56.0517, 0.2256, 0.3061

Trichromacy



Original Color

55.8847, 0.2193, 0.2745



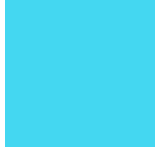
Protanomaly

54.5084, 0.2470, 0.2728



Deuteranomaly

54.3682, 0.2419, 0.2628



Tritanomaly

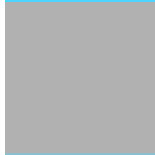
56.1807, 0.2233, 0.2948

Monochromacy



Original Color

55.8847, 0.2193, 0.2745



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.8974, 0.2659, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8847, 0.2193, 0.2745 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 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(77, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.8847, 0.2193, 0.2745 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, 212, 255) }
```

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

```
.border{ border-color:rgb(77, 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(77, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8847, 0.2193, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 212, 255) }
```

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

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