

Converting Colors

$Yxy(55.6352, 0.2384, 0.2690)$

Have a look what the booklet for
Yxy(55.6352, 0.2384, 0.2690)
contains.

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Color

Yxy(55.8049, 0.2385, 0.2694)

Conversions

Conversions Part 1

Format	Color
Hex	85CDFE
RGB	133, 205, 254
RGB Percent	52%, 80%, 100%
CMY	0.4781, 0.1961, 0.0039
CMYK	0.48, 0.19, 0.00, 0.00
HSL	204°, 98%, 76%
HSV	204°, 48%, 100%
XYZ	49.4041, 55.8049, 101.9361
YIQ	189.0580, -58.6410, -0.0250

Conversions

Conversions Part 2

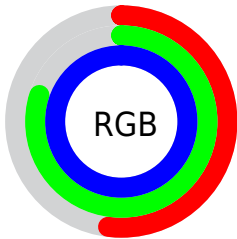
Format	Color
R _Y B	133, 178, 254
Decimal	8769022
CIE Lab	79.50, -9.63, -30.99
CIE LCh	80, 32.455, 252.736
Yxy	55.8049, 0.2385, 0.2694
Android (android.graphics.Color)	4286959102 (0xFF85CDFE)
YUV	189.0580, 32.0164, -49.1629
Hunter-Lab	74.7027, -12.6799, -28.6128

Details

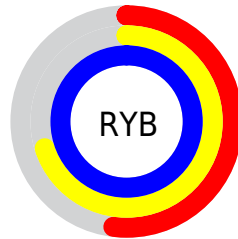
The Yxy color **55.8049, 0.2385, 0.2694** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.2680, 0.4181, 0.3803**, and the grayscale version is **50.7745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **27.6203, 0.2209, 0.2546** is the 20% darker color. If you saturate the color by 10%, you get **49.2168, 0.2245, 0.2541**, and if you desaturate by 10%, it is **63.2214, 0.2536, 0.2839**.

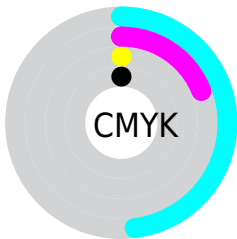
Distribution



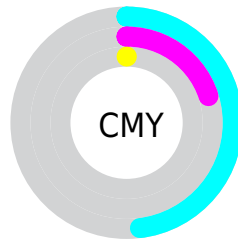
- Red (52%)
- Green (80%)
- Blue (100%)



- Red (52%)
- Yellow (70%)
- Blue (100%)



- Cyan (48%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8049, 0.2385, 0.2694 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 55.8049, 0.2385, 0.2694 by changing the saturation by 10% instead.

 55.8049, 0.2385,
0.2694

 55.8049, 0.2385,
0.2694


408.9558, 0.2733,
0.2982


 40.0465, 0.2305,
0.2626


 98.7193, 0.2506,
0.2796

 27.5748, 0.2207,
0.2541


 126.6440, 0.2553,
0.2835

 18.0054, 0.2084,
0.2433


 159.3931, 0.2594,
0.2868

 10.9539, 0.1924,
0.2290

197.3507, 0.2629,
0.2897

 6.0358, 0.1712,
0.2095

240.9015, 0.2660,
0.2922

 2.8669, 0.1421,
0.1817

290.4296, 0.2687,

 1.0626, 0.1011,

0.2945

0.1405

346.3196, 0.2711,
0.2964

0.0000, 0.0000,
0.0000

55.8049, 0.2385,
0.2694

55.8049, 0.2385,
0.2694

49.2168, 0.2245,
0.2541

63.2214, 0.2536,
0.2839

43.4078, 0.2120,
0.2383

71.4989, 0.2692,
0.2974

38.3323, 0.2014,
0.2223

80.6755, 0.2851,
0.3099

33.9344, 0.1930,
0.2065

90.7849, 0.3009,
0.3212

30.1428, 0.1868,
0.1912

99.9360, 0.3133,
0.3299

■ 29.3002, 0.1855,
0.1876

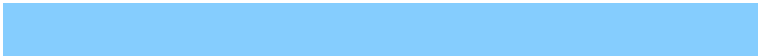
Harmonies

Analogous

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



55.8049, 0.2350, 0.2957



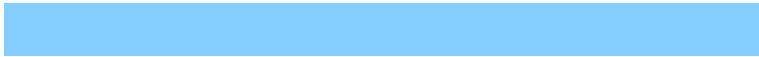
55.8049, 0.2385, 0.2694



55.8049, 0.2602, 0.2600

Triad

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



55.8049, 0.2385, 0.2694



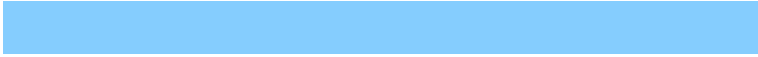
55.8049, 0.3780, 0.3185



55.8049, 0.3241, 0.4021

Complementary

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



55.8049, 0.2385, 0.2694



56.2680, 0.4181, 0.3803

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.



55.8049, 0.3643, 0.4039



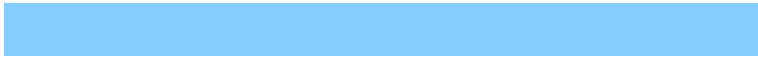
55.8049, 0.2385, 0.2694



55.8049, 0.3972, 0.3530

Square

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



55.8049, 0.2385, 0.2694



55.8049, 0.3403, 0.2879



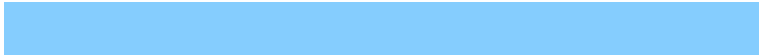
55.8049, 0.3916, 0.3844



55.8049, 0.2825, 0.3759

Rectangle

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



55.8049, 0.2385, 0.2694



55.8049, 0.2833, 0.2630



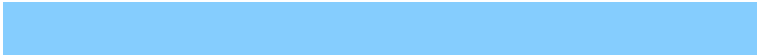
55.8049, 0.3916, 0.3844



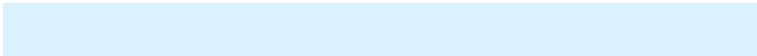
55.8049, 0.3382, 0.4055

Sweetspot

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



55.8070, 0.2385, 0.2694



84.9580, 0.2908, 0.3141



79.2354, 0.2829, 0.4188



17.7243, 0.2874, 0.3116



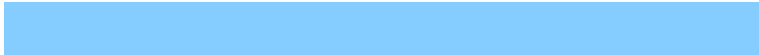
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.8070, 0.2385, 0.2694



50.0271, 0.2253, 0.2550



32.4570, 0.2243, 0.1929



19.1739, 0.2979, 0.3191



15.7441, 0.1861, 0.1901



1.7476, 0.1910, 0.2075

Inverse Universe

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



42.2791, 0.3647, 0.2558



36.3255, 0.3799, 0.2432



86.2202, 0.3883, 0.4357



18.1684, 0.3201, 0.3150



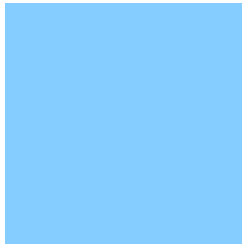
12.3173, 0.4566, 0.2289



1.2210, 0.4369, 0.2180

Previews

White Background



This preview shows how the Yxy color 55.8049, 0.2385, 0.2694 looks on a white background.

Color Contrast Check

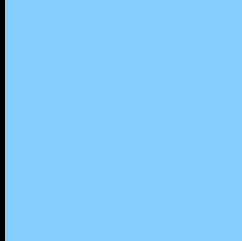
Large Text (above 18pt) WCAG AA × Fail

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 55.8049, 0.2385, 0.2694 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

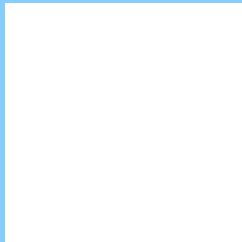
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8049, 0.2385, 0.2694

Background



This preview shows how black text looks on a background with the Yxy color 55.8049, 0.2385, 0.2694.



This preview shows how white text looks on a background with the Yxy color 55.8049, 0.2385, 0.2694.

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

55.8049, 0.2385, 0.2694

Protanopia

55.3047, 0.2696, 0.2689

Deuteranopia

55.4272, 0.2642, 0.2585



Tritanopia

55.9992, 0.2487, 0.3069

Trichromacy



Original Color

55.8049, 0.2385, 0.2694

Protanomaly

55.2271, 0.2569, 0.2687

Deuteranomaly

55.1518, 0.2536, 0.2612

Tritanomaly

55.8154, 0.2447, 0.2922

Monochromacy



Original Color

55.8049, 0.2385, 0.2694

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.2693, 0.2806, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8049, 0.2385, 0.2694 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(133, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(133, 205, 254)  
}
```

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(133, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 205, 254) }
```

Border

The CSS property to change the border of an element to Yxy 55.8049, 0.2385, 0.2694 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(133, 205, 254) }
```

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

```
.border{ border-color:rgb(133, 205, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 205, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 205, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 205, 254); box-shadow:4px 4px 4px 4px rgb(133, 205, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8049, 0.2385, 0.2694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 205, 254) }
```

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

```
.background{ background-color: rgb(133,  
205, 254) }
```

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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