

Converting Colors

$Y_{xy}(55.5331, 0.2209, 0.2730)$

Have a look what the booklet for
Yxy(55.5331, 0.2209, 0.2730)
contains.

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Color

Yxy(55.6933, 0.2209, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	54D3FF
RGB	84, 211, 255
RGB Percent	33%, 83%, 100%
CMY	0.6709, 0.1725, 0.0000
CMYK	0.67, 0.17, 0.00, 0.00
HSL	195°, 100%, 66%
HSV	195°, 67%, 100%
XYZ	44.9987, 55.6933, 103.0143
YIQ	178.0430, -89.8160, -13.2400

Conversions

Conversions Part 2

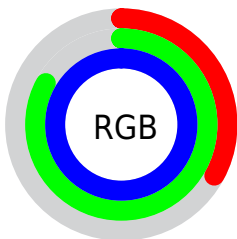
Format	Color
R _Y B	84, 157, 255
Decimal	5559295
CIE Lab	79.44, -21.68, -31.79
CIE LCh	79, 38.479, 235.706
Yxy	55.6933, 0.2209, 0.2734
Android (android.graphics.Color)	4283749375 (0xFF54D3FF)
YUV	178.0430, 37.9398, -82.4757
Hunter-Lab	74.6279, -22.9680, -29.6027

Details

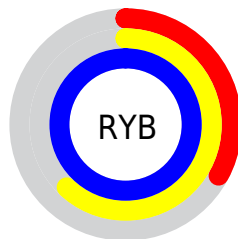
The Yxy color **55.6933, 0.2209, 0.2734** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **37.3145, 0.5016, 0.3703**, and the grayscale version is **44.3645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **27.8542, 0.2053, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **51.5319, 0.2125, 0.2637**, and if you desaturate by 10%, it is **60.4150, 0.2313, 0.2830**.

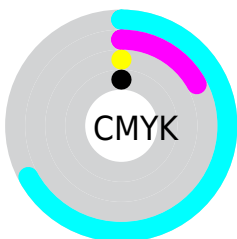
Distribution



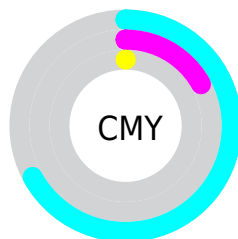
- Red (33%)
- Green (83%)
- Blue (100%)



- Red (33%)
- Yellow (62%)
- Blue (100%)



- Cyan (67%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)




- Cyan (67%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6933, 0.2209, 0.2734 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 55.6933, 0.2209, 0.2734 by changing the saturation by 10% instead.


 55.6933, 0.2209,
0.2734


 55.6933, 0.2209,
0.2734


 408.5346, 0.2634,
0.3010


 39.9571, 0.2113,
0.2667


 98.5560, 0.2356,
0.2833


 27.5051, 0.1996,
0.2583


 126.4513, 0.2413,
0.2871


 17.9529, 0.1850,
0.2475


 159.1684, 0.2463,
0.2903

 10.9162, 0.1665,
0.2330

 197.0916, 0.2506,
0.2930

 6.0105, 0.1424,
0.2131

 240.6055, 0.2544,
0.2954

 2.8515, 0.1107,
0.1843

 290.0944, 0.2577,

 1.0547, 0.0626,

0.2975

0.1423

345.9426, 0.2608,
0.2994

0.0000, 0.0000,
0.0000

55.6933, 0.2209,
0.2734

55.6933, 0.2209,
0.2734

51.5319, 0.2125,
0.2637

60.4150, 0.2313,
0.2830

47.8809, 0.2060,
0.2540

65.7409, 0.2433,
0.2923

44.6757, 0.2016,
0.2444

71.7091, 0.2567,
0.3012

43.7991, 0.2005,
0.2416

78.3543, 0.2712,
0.3096

85.7081, 0.2863,
0.3173

■ 93.8001, 0.3017,
0.3244

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.



55.6933, 0.2292, 0.3140



55.6933, 0.2209, 0.2734



55.6933, 0.2343, 0.2517

Triad

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



55.6933, 0.2209, 0.2734



55.6933, 0.3665, 0.2951



55.6933, 0.3535, 0.4211

Complementary

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



55.6933, 0.2209, 0.2734



37.3145, 0.5016, 0.3703

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.



55.6933, 0.3943, 0.4063



55.6933, 0.2209, 0.2734



55.6933, 0.4037, 0.3332

Square

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



55.6933, 0.2209, 0.2734



55.6933, 0.3155, 0.2655



55.6933, 0.4136, 0.3730



55.6933, 0.3036, 0.4066

Rectangle

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



55.6933, 0.2209, 0.2734



55.6933, 0.2544, 0.2483



55.6933, 0.4136, 0.3730



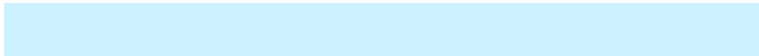
55.6933, 0.3687, 0.4190

Sweetspot

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



55.6931, 0.2209, 0.2734



83.4934, 0.2818, 0.3151



74.9254, 0.2876, 0.4985



17.4257, 0.2776, 0.3130



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.



55.6931, 0.2209, 0.2734



50.0468, 0.2097, 0.2599



24.1999, 0.1935, 0.1601



19.6441, 0.2980, 0.3227



23.1395, 0.2009, 0.2432



2.4290, 0.2039, 0.2541

Inverse Universe

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



32.2917, 0.3662, 0.2106



27.6698, 0.3811, 0.1991



69.1009, 0.4321, 0.4494



18.2159, 0.3178, 0.3115



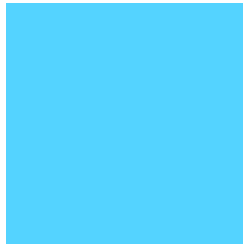
13.0639, 0.3991, 0.1972



1.2898, 0.3881, 0.1912

Previews

White Background



This preview shows how the Yxy color 55.6933, 0.2209, 0.2734 looks on a white background.

Color Contrast Check

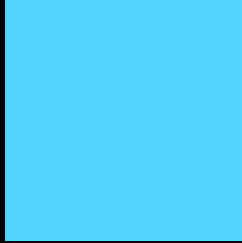
Large Text (above 18pt) WCAG AA × Fail

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 55.6933, 0.2209, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

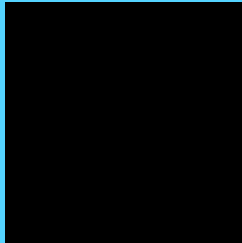
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

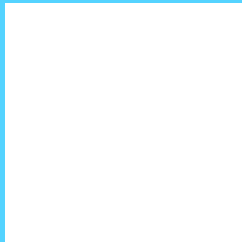
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.6933, 0.2209, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 55.6933, 0.2209, 0.2734.



This preview shows how white text looks on a background with the Yxy color 55.6933, 0.2209, 0.2734.

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

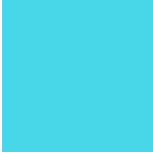
55.6933, 0.2209, 0.2734

Protanopia

54.7411, 0.2726, 0.2720

Deuteranopia

55.1837, 0.2629, 0.2583



Tritanopia

55.7667, 0.2276, 0.3062

Trichromacy



Original Color

55.6933, 0.2209, 0.2734



Protanomaly

54.3199, 0.2485, 0.2718



Deuteranomaly

54.6395, 0.2434, 0.2631



Tritanomaly

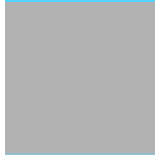
55.9209, 0.2254, 0.2949

Monochromacy



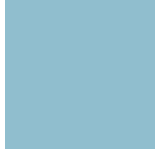
Original Color

55.6933, 0.2209, 0.2734



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.2124, 0.2673, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6933, 0.2209, 0.2734 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(84, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 211, 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(84, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.6933, 0.2209, 0.2734 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(84, 211, 255) }
```

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

```
.border{ border-color:rgb(84, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6933, 0.2209, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 211, 255) }
```

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

```
.background{ background-color: rgb(84, 211,  
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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