

Converting Colors

$Y_{xy}(56.5779, 0.2215, 0.2758)$

Have a look what the booklet for
Yxy(56.5779, 0.2215, 0.2758)
contains.

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Color

Yxy(56.6933, 0.2216, 0.2761)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 54D5FF |
| RGB | 84, 213, 255 |
| RGB Percent | 33%, 84%, 100% |
| CMY | 0.6703, 0.1647, 0.0001 |
| CMYK | 0.67, 0.16, 0.00, 0.00 |
| HSL | 195°, 100%, 66% |
| HSV | 195°, 67%, 100% |
| XYZ | 45.5025, 56.6933, 103.1403 |
| YIQ | 179.2170, -90.3660, -14.2860 |

Conversions

Conversions Part 2

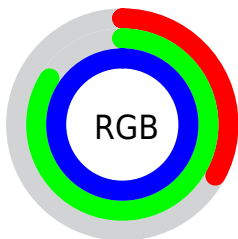
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 84, 158, 255 |
| Decimal | 5559807 |
| CIE Lab | 80.01, -22.68, -30.89 |
| CIE LCh | 80, 38.323, 233.715 |
| Yxy | 56.6933, 0.2216, 0.2761 |
| Android (android.graphics.Color) | 4283749887 (0xFF54D5FF) |
| YUV | 179.2170, 37.3610, -83.5053 |
| Hunter-Lab | 75.2950, -23.8945, -28.5100 |

Details

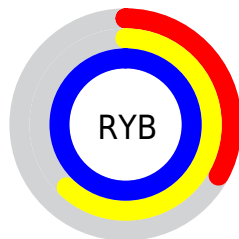
The Yxy color **56.6933, 0.2216, 0.2761** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **36.8350, 0.5031, 0.3683**, and the grayscale version is **45.0444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **28.5309, 0.2063, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **52.6334, 0.2133, 0.2668**, and if you desaturate by 10%, it is **61.3071, 0.2318, 0.2852**.

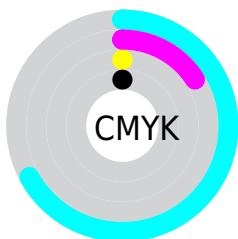
Distribution



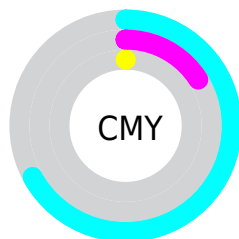
- Red (33%)
- Green (84%)
- Blue (100%)



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



- Cyan (67%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6933, 0.2216, 0.2761 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 56.6933, 0.2216, 0.2761 by changing the saturation by 10% instead.


 56.6933, 0.2216,
0.2761

 56.6933, 0.2216,
0.2761


412.2991, 0.2637,
0.3024


 40.7591, 0.2121,
0.2697


 100.0175, 0.2361,
0.2855


 28.1309, 0.2006,
0.2617


 128.1763, 0.2418,
0.2891

 18.4243, 0.1862,
0.2513


 161.1787, 0.2467,
0.2922

 11.2551, 0.1679,
0.2375

 199.4092, 0.2510,
0.2948

 6.2387, 0.1441,
0.2183

243.2520, 0.2547,
0.2971

 2.9907, 0.1127,
0.1905

293.0917, 0.2581,

 1.1269, 0.0662,

0.2991

0.1495

349.3126, 0.2610,
0.3008

0.0008, 0.0000,
0.0003

0.0000, 0.0000,
0.0000

56.6933, 0.2216,
0.2761

56.6933, 0.2216,
0.2761

52.6334, 0.2133,
0.2668

61.3071, 0.2318,
0.2852

49.0709, 0.2070,
0.2576

66.5116, 0.2437,
0.2941

45.9439, 0.2027,
0.2485

72.3470, 0.2570,
0.3025

45.0709, 0.2016,
0.2458

78.8476, 0.2713,
0.3105

■ 86.0451, 0.2864,
0.3179

■ 93.9687, 0.3018,
0.3246

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



56.6933, 0.2313, 0.3174



56.6933, 0.2216, 0.2761



56.6933, 0.2335, 0.2533

Triad

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



56.6933, 0.2216, 0.2761



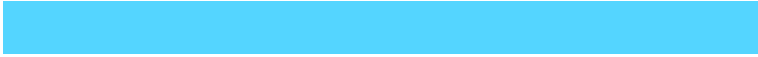
56.6933, 0.3628, 0.2931



56.6933, 0.3562, 0.4200

Complementary

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



56.6933, 0.2216, 0.2761



36.8350, 0.5031, 0.3683

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.



56.6933, 0.3956, 0.4038



56.6933, 0.2216, 0.2761



56.6933, 0.4010, 0.3305

Square

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



56.6933, 0.2216, 0.2761



56.6933, 0.3121, 0.2645



56.6933, 0.4129, 0.3702



56.6933, 0.3070, 0.4077

Rectangle

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



56.6933, 0.2216, 0.2761



56.6933, 0.2526, 0.2490



56.6933, 0.4129, 0.3702



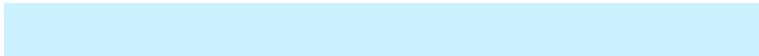
56.6933, 0.3711, 0.4173

Sweetspot

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



56.6953, 0.2216, 0.2761



83.8426, 0.2819, 0.3158



74.8537, 0.2887, 0.5019



17.5101, 0.2776, 0.3137



0.0000, 0.0000, 0.0000



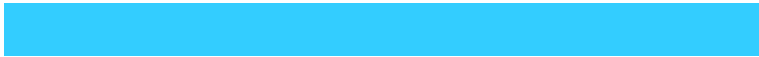
21.4041, 0.3127, 0.3290

Same Dimension

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



56.6953, 0.2216, 0.2761



51.5316, 0.2112, 0.2641



24.9788, 0.1944, 0.1638



19.6810, 0.2980, 0.3230



23.8003, 0.2020, 0.2473



2.4885, 0.2049, 0.2577

Inverse Universe

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



32.4130, 0.3638, 0.2090



28.0299, 0.3770, 0.1978



67.7006, 0.4341, 0.4470



18.2196, 0.3176, 0.3112



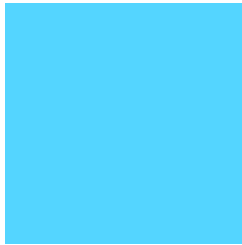
13.1306, 0.3949, 0.1949



1.2958, 0.3846, 0.1893

Previews

White Background



This preview shows how the Yxy color 56.6933, 0.2216, 0.2761 looks on a white background.

Color Contrast Check

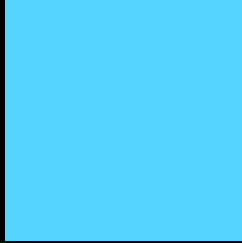
Large Text (above 18pt) WCAG AA × Fail

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 56.6933, 0.2216, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

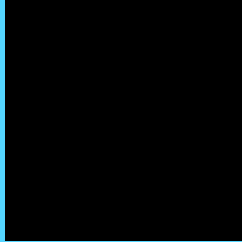
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6933, 0.2216, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 56.6933, 0.2216, 0.2761.

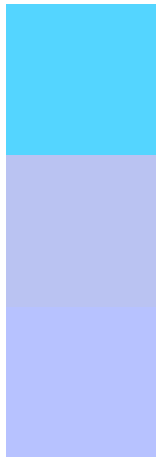


This preview shows how white text looks on a background with the Yxy color 56.6933, 0.2216, 0.2761.

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

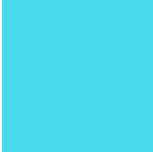
56.6933, 0.2216, 0.2761

Protanopia

55.8801, 0.2741, 0.2746

Deuteranopia

55.8709, 0.2643, 0.2597



Tritanopia

56.9439, 0.2278, 0.3063

Trichromacy



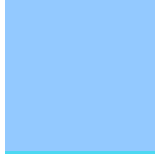
Original Color

56.6933, 0.2216, 0.2761



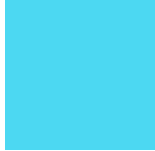
Protanomaly

55.3460, 0.2494, 0.2744



Deuteranomaly

55.1963, 0.2442, 0.2644



Tritanomaly

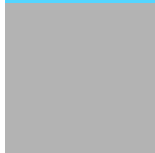
57.0590, 0.2253, 0.2951

Monochromacy



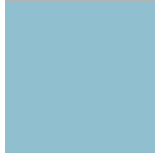
Original Color

56.6933, 0.2216, 0.2761



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.6959, 0.2668, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6933, 0.2216, 0.2761 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 213, 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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.6933, 0.2216, 0.2761 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, 213, 255) }
```

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

```
.border{ border-color:rgb(84, 213, 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, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 213,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6933, 0.2216, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 213, 255) }
```

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

```
.background{ background-color: rgb(84, 213,  
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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