

Converting Colors

$Y_{xy}(55.8569, 0.2144, 0.2761)$

Have a look what the booklet for
Yxy(55.8569, 0.2144, 0.2761)
contains.

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Color

Yxy(56.0169, 0.2145, 0.2765)

Conversions

Conversions Part 1

Format	Color
Hex	33D6FF
RGB	51, 214, 255
RGB Percent	20%, 84%, 100%
CMY	0.8004, 0.1607, 0.0000
CMYK	0.80, 0.16, 0.00, 0.00
HSL	192°, 100%, 60%
HSV	192°, 80%, 100%
XYZ	43.4561, 56.0169, 103.1197
YIQ	169.9370, -110.3090, -21.8050

Conversions

Conversions Part 2

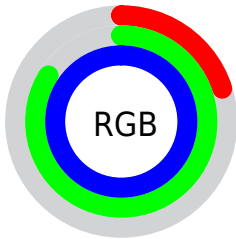
Format	Color
R_{YB}	51, 142, 255
Decimal	3397375
CIE _{Lab}	79.62, -26.98, -31.54
CIE _{LCh}	80, 41.505, 229.454
Yxy	56.0169, 0.2145, 0.2765
Android (android.graphics.Color)	4281587455 (0xFF33D6FF)
YUV	169.9370, 41.9361, -104.3077
Hunter-Lab	74.8444, -27.3372, -29.2979

Details

The Yxy color **56.0169, 0.2145, 0.2765** 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 **29.1312, 0.5627, 0.3591**, and the grayscale version is **39.9817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **28.8735, 0.2067, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **52.9780, 0.2094, 0.2691**, and if you desaturate by 10%, it is **59.5035, 0.2215, 0.2839**.

Distribution



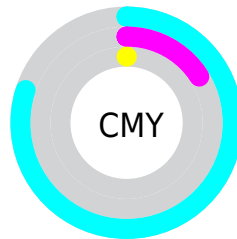
- Red (20%)
- Green (84%)
- Blue (100%)



- Red (20%)
- Yellow (56%)
- Blue (100%)



- Cyan (80%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0169, 0.2145, 0.2765 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 56.0169, 0.2145, 0.2765 by changing the saturation by 10% instead.

 56.0169, 0.2145,
0.2765


 56.0169, 0.2145,
0.2765


409.7552, 0.2598,
0.3029

 40.2165, 0.2044,
0.2700


 99.0293, 0.2301,
0.2860

 27.7074, 0.1921,
0.2619


 127.0100, 0.2362,
0.2896

 18.1052, 0.1768,
0.2512


 159.8197, 0.2414,
0.2927

 11.0255, 0.1574,
0.2370

 197.8426, 0.2460,
0.2953

 6.0840, 0.1326,
0.2172

241.4632, 0.2501,
0.2976

 2.8962, 0.1003,
0.1884

291.0660, 0.2537,

 1.0778, 0.0482,

0.2996

0.1468

347.0351, 0.2569,
0.3014

0.0000, 0.0000,
0.0000

56.0169, 0.2145,
0.2765

56.0169, 0.2145,
0.2765

52.9780, 0.2094,
0.2691

59.5035, 0.2215,
0.2839

50.3040, 0.2061,
0.2618

63.4846, 0.2305,
0.2913

68.0064, 0.2413,
0.2985

73.1078, 0.2537,
0.3054

78.8234, 0.2674,
0.3120

■ 85.1851, 0.2820,
0.3182

■ 92.2223, 0.2972,
0.3238

99.9622, 0.3127,
0.3290

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



56.0169, 0.2280, 0.3235



56.0169, 0.2145, 0.2765



56.0169, 0.2240, 0.2492

Triad

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



56.0169, 0.2145, 0.2765



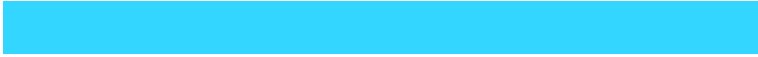
56.0169, 0.3596, 0.2851



56.0169, 0.3665, 0.4272

Complementary

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



56.0169, 0.2145, 0.2765



29.1312, 0.5627, 0.3591

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.



56.0169, 0.4068, 0.4052



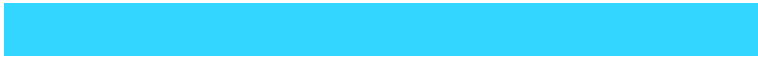
56.0169, 0.2145, 0.2765



56.0169, 0.4045, 0.3241

Square

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



56.0169, 0.2145, 0.2765



56.0169, 0.3039, 0.2563



56.0169, 0.4218, 0.3669



56.0169, 0.3138, 0.4192

Rectangle

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



56.0169, 0.2145, 0.2765



56.0169, 0.2425, 0.2429



56.0169, 0.4218, 0.3669



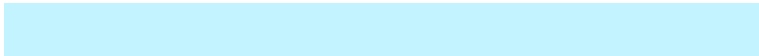
56.0169, 0.3820, 0.4226

Sweetspot

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



56.0189, 0.2145, 0.2765



82.5912, 0.2761, 0.3158



72.9826, 0.2911, 0.5442



17.1965, 0.2709, 0.3136



0.0000, 0.0000, 0.0000



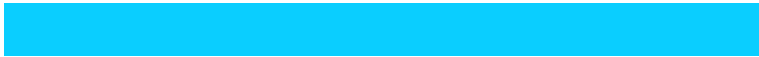
21.4041, 0.3127, 0.3290

Same Dimension

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



56.0189, 0.2145, 0.2765



51.3533, 0.2073, 0.2648



19.5384, 0.1778, 0.1378



19.8253, 0.2980, 0.3241



26.5050, 0.2064, 0.2631



2.7305, 0.2087, 0.2714

Inverse Universe

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



28.4732, 0.3655, 0.1907



25.9301, 0.3777, 0.1866



59.9754, 0.4608, 0.4526



18.2342, 0.3169, 0.3102



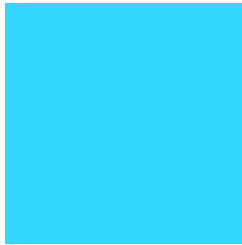
13.4037, 0.3794, 0.1864



1.3202, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 56.0169, 0.2145, 0.2765 looks on a white background.

Color Contrast Check

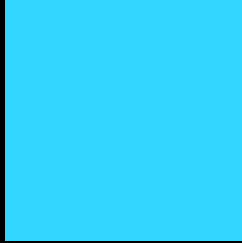
Large Text (above 18pt) WCAG AA × Fail

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 56.0169, 0.2145, 0.2765 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 56.0169, 0.2145, 0.2765

Background



This preview shows how black text looks on a background with the Yxy color 56.0169, 0.2145, 0.2765.

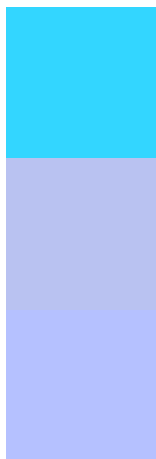


This preview shows how white text looks on a background with the Yxy color 56.0169, 0.2145, 0.2765.

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

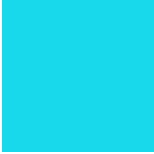
56.0169, 0.2145, 0.2765

Protanopia

55.2487, 0.2740, 0.2743

Deuteranopia

55.1837, 0.2629, 0.2583



Tritanopia

55.8060, 0.2192, 0.3046

Trichromacy



Original Color

56.0169, 0.2145, 0.2765



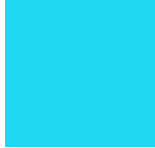
Protanomaly

53.6613, 0.2428, 0.2733



Deuteranomaly

54.0616, 0.2375, 0.2633



Tritanomaly

55.8459, 0.2173, 0.2944

Monochromacy



Original Color

56.0169, 0.2145, 0.2765



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.8469, 0.2587, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0169, 0.2145, 0.2765 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(51, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 214, 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(51, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 56.0169, 0.2145, 0.2765 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(51, 214, 255) }
```

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

```
.border{ border-color:rgb(51, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0169, 0.2145, 0.2765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 214, 255) }
```

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

```
.background{ background-color: rgb(51, 214,  
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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