

Converting Colors

$Y_{xy}(58.3885, 0.2127, 0.2753)$

Have a look what the booklet for
Yxy(58.3885, 0.2127, 0.2753)
contains.

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Color

Yxy(57.8550, 0.2146, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	2ADAFF
RGB	42, 218, 255
RGB Percent	16%, 85%, 100%
CMY	0.8354, 0.1451, 0.0000
CMYK	0.84, 0.15, 0.00, 0.00
HSL	190°, 100%, 58%
HSV	190°, 84%, 100%
XYZ	44.0741, 57.8550, 103.4489
YIQ	169.5940, -116.7730, -25.8050

Conversions

Conversions Part 2

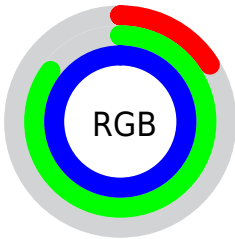
Format	Color
R _Y B	42, 138, 255
Decimal	2808575
CIE Lab	80.66, -29.62, -29.96
CIE LCh	81, 42.135, 225.328
Yxy	57.8550, 0.2146, 0.2817
Android (android.graphics.Color)	4280998655 (0xFF2ADAFF)
YUV	169.5940, 42.1052, -111.8999
Hunter-Lab	76.0625, -29.6781, -27.3938

Details

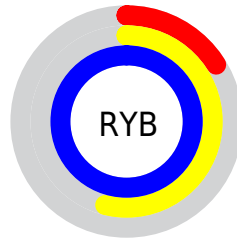
The Yxy color **57.8550, 0.2146, 0.2817** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.0130, 0.5809, 0.3530**, and the grayscale version is **39.8129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **30.2716, 0.2087, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **55.2137, 0.2106, 0.2754**, and if you desaturate by 10%, it is **60.9029, 0.2206, 0.2880**.

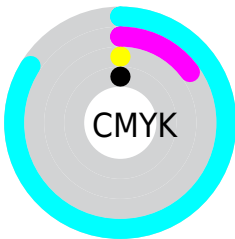
Distribution



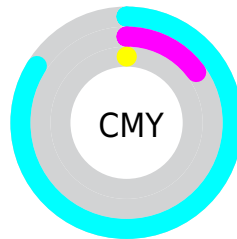
- Red (16%)
- Green (85%)
- Blue (100%)



- Red (16%)
- Yellow (54%)
- Blue (100%)



- Cyan (84%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (84%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8550, 0.2146, 0.2817 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 57.8550, 0.2146, 0.2817 by changing the saturation by 10% instead.

 57.8550, 0.2146,
0.2817

 57.8550, 0.2146,
0.2817


416.6454, 0.2596,
0.3057

 41.6921, 0.2046,
0.2758


 101.7117, 0.2300,
0.2904

 28.8603, 0.1924,
0.2683


 130.1742, 0.2361,
0.2937

 18.9751, 0.1773,
0.2586


 163.5055, 0.2413,
0.2964

 11.6523, 0.1583,
0.2454

 202.0897, 0.2459,
0.2988

 6.5074, 0.1338,
0.2271

246.3115, 0.2500,
0.3009

 3.1560, 0.1020,
0.2001

296.5551, 0.2535,

 1.2137, 0.0526,

0.3027

0.1603

353.2049, 0.2567,
0.3043

■ 0.0729, 0.0000,
0.0258

■ 0.0000, 0.0000,
0.0000

■ 57.8550, 0.2146,
0.2817

■ 57.8550, 0.2146,
0.2817

■ 55.2137, 0.2106,
0.2754

■ 60.9029, 0.2206,
0.2880

■ 53.6681, 0.2087,
0.2714

■ 64.4078, 0.2285,
0.2944

■ 68.4183, 0.2383,
0.3006

■ 72.9747, 0.2498,
0.3066

■ 78.1127, 0.2628,
0.3124

■ 83.8648, 0.2769,
0.3178

■ 90.2610, 0.2918,
0.3229

■ 97.3290, 0.3072,
0.3275

■ 99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



57.8550, 0.2313, 0.3311



57.8550, 0.2146, 0.2817



57.8550, 0.2210, 0.2514

Triad

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



57.8550, 0.2146, 0.2817



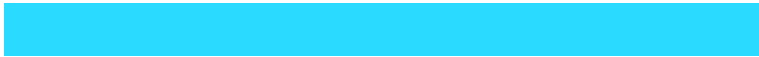
57.8550, 0.3523, 0.2802



57.8550, 0.3733, 0.4261

Complementary

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



57.8550, 0.2146, 0.2817



27.0130, 0.5809, 0.3530

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.



57.8550, 0.4110, 0.4008



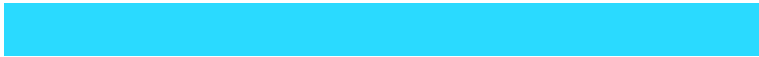
57.8550, 0.2146, 0.2817



57.8550, 0.4000, 0.3183

Square

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



57.8550, 0.2146, 0.2817



57.8550, 0.2964, 0.2532



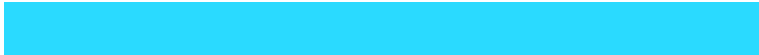
57.8550, 0.4218, 0.3612



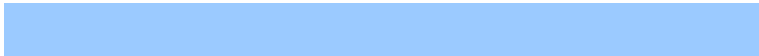
57.8550, 0.3213, 0.4228

Rectangle

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



57.8550, 0.2146, 0.2817



57.8550, 0.2377, 0.2431



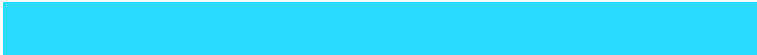
57.8550, 0.4218, 0.3612



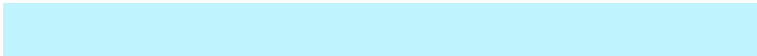
57.8550, 0.3882, 0.4201

Sweetspot

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



57.8571, 0.2146, 0.2817



82.9879, 0.2748, 0.3170



72.5527, 0.2935, 0.5593



17.3218, 0.2698, 0.3152



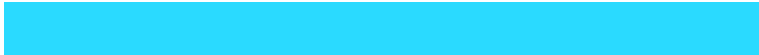
0.0000, 0.0000, 0.0000



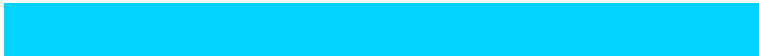
21.4041, 0.3127, 0.3290

Same Dimension

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



57.8571, 0.2146, 0.2817



53.6692, 0.2087, 0.2714



19.5170, 0.1760, 0.1379



19.9130, 0.2980, 0.3248



28.2398, 0.2090, 0.2725



2.8844, 0.2110, 0.2796

Inverse Universe

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



27.9756, 0.3611, 0.1846



25.9491, 0.3715, 0.1820



55.7026, 0.4729, 0.4480



18.2430, 0.3165, 0.3096



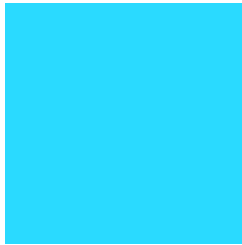
13.5788, 0.3705, 0.1815



1.3357, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 57.8550, 0.2146, 0.2817 looks on a white background.

Color Contrast Check

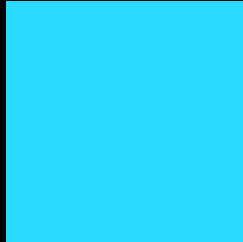
Large Text (above 18pt) WCAG AA × Fail

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 57.8550, 0.2146, 0.2817 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 57.8550, 0.2146, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 57.8550, 0.2146, 0.2817.



This preview shows how white text looks on a background with the Yxy color 57.8550, 0.2146, 0.2817.

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

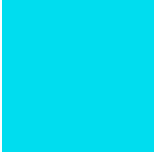
57.8550, 0.2146, 0.2817

Protanopia

57.0426, 0.2776, 0.2794

Deuteranopia

57.1390, 0.2665, 0.2624



Tritanopia

57.9449, 0.2180, 0.3049

Trichromacy



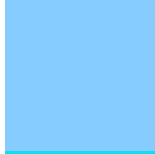
Original Color

57.8550, 0.2146, 0.2817



Protanomaly

55.4895, 0.2442, 0.2795



Deuteranomaly

55.4741, 0.2383, 0.2671



Tritanomaly

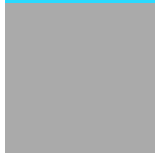
57.8805, 0.2162, 0.2961

Monochromacy



Original Color

57.8550, 0.2146, 0.2817



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.9686, 0.2564, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8550, 0.2146, 0.2817 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(42, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 218, 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(42, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.8550, 0.2146, 0.2817 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(42, 218, 255) }
```

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

```
.border{ border-color:rgb(42, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8550, 0.2146, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 218, 255) }
```

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

```
.background{ background-color: rgb(42, 218,  
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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