

Converting Colors

$Yxy(58.2816, 0.2177, 0.2818)$

Have a look what the booklet for
Yxy(58.2816, 0.2177, 0.2818)
contains.

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Color

Yxy(58.3549, 0.2177, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	3DDAFF
RGB	61, 218, 255
RGB Percent	24%, 85%, 100%
CMY	0.7609, 0.1451, 0.0000
CMYK	0.76, 0.15, 0.00, 0.00
HSL	191°, 100%, 62%
HSV	191°, 76%, 100%
XYZ	45.0492, 58.3549, 103.5282
YIQ	175.2750, -105.4490, -21.7770

Conversions

Conversions Part 2

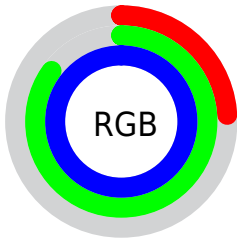
Format	Color
R _Y B	61, 148, 255
Decimal	4053759
CIE Lab	80.94, -27.99, -29.54
CIE LCh	81, 40.689, 226.543
Yxy	58.3549, 0.2177, 0.2820
Android (android.graphics.Color)	4282243839 (0xFF3DDAFF)
YUV	175.2750, 39.3044, -100.2192
Hunter-Lab	76.3904, -28.4176, -26.8796

Details

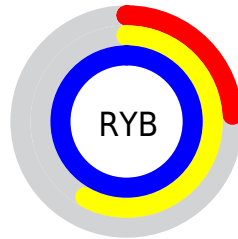
The Yxy color **58.3549, 0.2177, 0.2820** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.3289, 0.5491, 0.3585**, and the grayscale version is **42.8500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **30.2716, 0.2087, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **55.2435, 0.2120, 0.2750**, and if you desaturate by 10%, it is **61.9237, 0.2254, 0.2891**.

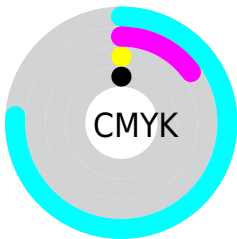
Distribution



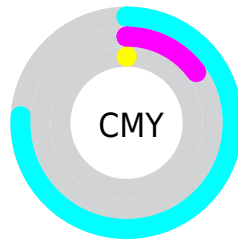
- Red (24%)
- Green (85%)
- Blue (100%)



- Red (24%)
- Yellow (58%)
- Blue (100%)



- Cyan (76%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (76%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3549, 0.2177, 0.2820 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 58.3549, 0.2177, 0.2820 by changing the saturation by 10% instead.


 58.3549, 0.2177,
0.2820


 58.3549, 0.2177,
0.2820


418.5071, 0.2613,
0.3057


 42.0940, 0.2080,
0.2762


 102.4395, 0.2327,
0.2906

 29.1749, 0.1961,
0.2688


 131.0320, 0.2385,
0.2938

 19.2132, 0.1815,
0.2593


 164.5039, 0.2436,
0.2965

 11.8244, 0.1629,
0.2464

 203.2395, 0.2481,
0.2989

 6.6242, 0.1389,
0.2285

247.6232, 0.2520,
0.3009

 3.2282, 0.1076,
0.2021

298.0394, 0.2554,

 1.2520, 0.0608,

0.3027

0.1628

354.8726, 0.2585,
0.3043

■ 0.1036, 0.0000,
0.0362

■ 0.0000, 0.0000,
0.0000

■ 58.3549, 0.2177,
0.2820

■ 58.3549, 0.2177,
0.2820

■ 55.2435, 0.2120,
0.2750

■ 61.9237, 0.2254,
0.2891

■ 52.5301, 0.2082,
0.2681

■ 65.9999, 0.2350,
0.2960

■ 51.5413, 0.2071,
0.2654

■ 70.6247, 0.2463,
0.3027

■ 75.8352, 0.2591,
0.3092

■ 81.6647, 0.2731,
0.3152

■ 88.1440, 0.2879,
0.3209

■ 95.3014, 0.3033,
0.3261

■ 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.



58.3549, 0.2330, 0.3290



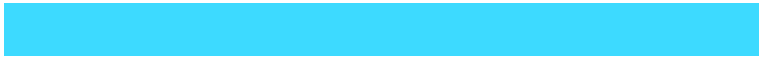
58.3549, 0.2177, 0.2820



58.3549, 0.2248, 0.2533

Triad

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



58.3549, 0.2177, 0.2820



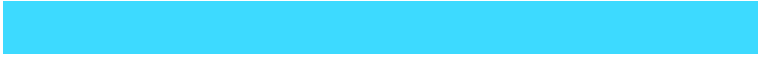
58.3549, 0.3531, 0.2832



58.3549, 0.3695, 0.4230

Complementary

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



58.3549, 0.2177, 0.2820



30.3289, 0.5491, 0.3585

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.



58.3549, 0.4065, 0.3999



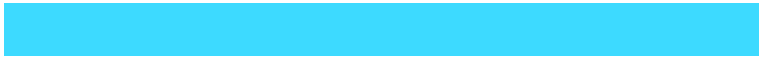
58.3549, 0.2177, 0.2820



58.3549, 0.3982, 0.3205

Square

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



58.3549, 0.2177, 0.2820



58.3549, 0.2992, 0.2565



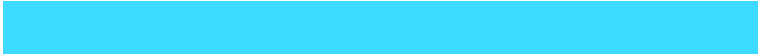
58.3549, 0.4180, 0.3620



58.3549, 0.3190, 0.4182

Rectangle

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



58.3549, 0.2177, 0.2820



58.3549, 0.2415, 0.2458



58.3549, 0.4180, 0.3620



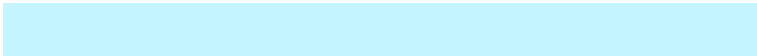
58.3549, 0.3840, 0.4178

Sweetspot

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



58.3545, 0.2177, 0.2820



83.5930, 0.2776, 0.3170



73.3663, 0.2918, 0.5377



17.4104, 0.2724, 0.3149



0.0000, 0.0000, 0.0000



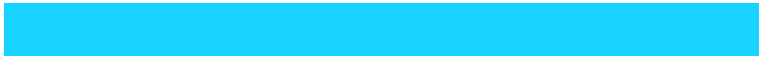
21.4041, 0.3127, 0.3290

Same Dimension

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



58.3545, 0.2177, 0.2820



53.8646, 0.2099, 0.2716



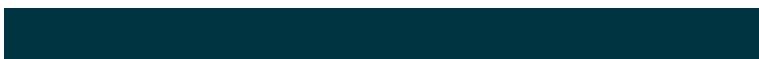
22.2344, 0.1840, 0.1516



19.8579, 0.2980, 0.3244



27.1415, 0.2074, 0.2666



2.7871, 0.2096, 0.2745

Inverse Universe

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



29.6576, 0.3600, 0.1922



26.5613, 0.3709, 0.1849



59.9853, 0.4572, 0.4476



18.2375, 0.3167, 0.3100



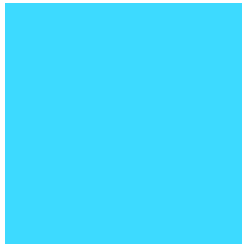
13.4679, 0.3761, 0.1845



1.3259, 0.3686, 0.1804

Previews

White Background



This preview shows how the Yxy color 58.3549, 0.2177, 0.2820 looks on a white background.

Color Contrast Check

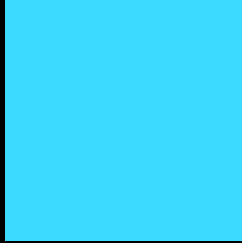
Large Text (above 18pt) WCAG AA × Fail

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 58.3549, 0.2177, 0.2820 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 58.3549, 0.2177, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 58.3549, 0.2177, 0.2820.

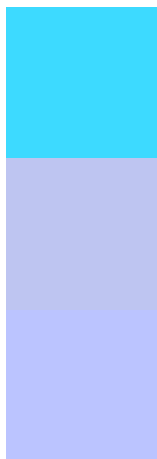


This preview shows how white text looks on a background with the Yxy color 58.3549, 0.2177, 0.2820.

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

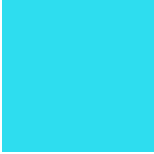
58.3549, 0.2177, 0.2820

Protanopia

57.2305, 0.2777, 0.2784

Deuteranopia

57.2647, 0.2672, 0.2625



Tritanopia

58.5257, 0.2219, 0.3051

Trichromacy



Original Color

58.3549, 0.2177, 0.2820



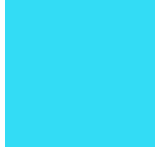
Protanomaly

56.1561, 0.2473, 0.2789



Deuteranomaly

56.0685, 0.2417, 0.2677



Tritanomaly

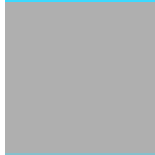
58.4828, 0.2202, 0.2964

Monochromacy



Original Color

58.3549, 0.2177, 0.2820



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.6896, 0.2622, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3549, 0.2177, 0.2820 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(61, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 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(61, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.3549, 0.2177, 0.2820 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(61, 218, 255) }
```

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

```
.border{ border-color:rgb(61, 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(61, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3549, 0.2177, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 218, 255) }
```

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

```
.background{ background-color: rgb(61, 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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