

Converting Colors

$Yxy(58.9419, 0.2180, 0.2836)$

Have a look what the booklet for
Yxy(58.9419, 0.2180, 0.2836)
contains.

Yxy(58.8437, 0.2179, 0.2834)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.8437, 0.2179, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	3CDBFF
RGB	60, 219, 255
RGB Percent	24%, 86%, 100%
CMY	0.7643, 0.1412, 0.0002
CMYK	0.76, 0.14, 0.00, 0.00
HSL	191°, 100%, 62%
HSV	191°, 76%, 100%
XYZ	45.2436, 58.8437, 103.5475
YIQ	175.5630, -106.3200, -22.5120

Conversions

Conversions Part 2

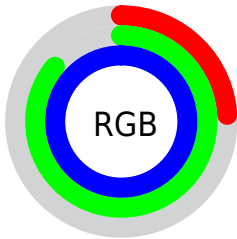
Format	Color
R _{YB}	60, 148, 255
Decimal	3988479
CIE Lab	81.21, -28.59, -29.08
CIE LCh	81, 40.782, 225.489
Yxy	58.8437, 0.2179, 0.2834
Android (android.graphics.Color)	4282178559 (0xFF3CDBFF)
YUV	175.5630, 39.1624, -101.3488
Hunter-Lab	76.7096, -28.9620, -26.3366

Details

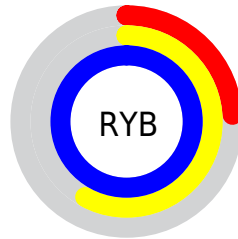
The Yxy color **58.8437, 0.2179, 0.2834** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **29.9563, 0.5515, 0.3574**, and the grayscale version is **43.0256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **30.6281, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **55.8121, 0.2124, 0.2766**, and if you desaturate by 10%, it is **62.3312, 0.2254, 0.2902**.

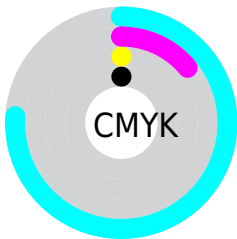
Distribution



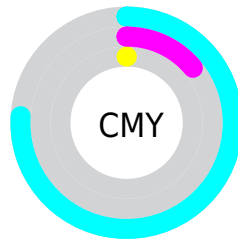
- Red (24%)
- Green (86%)
- Blue (100%)



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



- Cyan (76%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (76%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.8437, 0.2179, 0.2834 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 58.8437, 0.2179, 0.2834 by changing the saturation by 10% instead.


 58.8437, 0.2179,
0.2834


 58.8437, 0.2179,
0.2834


420.3224, 0.2614,
0.3064

 42.4873, 0.2082,
0.2777

 103.1505, 0.2328,
0.2917


 29.4831, 0.1964,
0.2706


 131.8696, 0.2387,
0.2949

 19.4465, 0.1818,
0.2613

 165.4785, 0.2437,
0.2975

 11.9934, 0.1633,
0.2487

 204.3615, 0.2482,
0.2998

 6.7392, 0.1395,
0.2311

248.9030, 0.2521,
0.3018

 3.2995, 0.1083,
0.2053

299.4874, 0.2555,

 1.2900, 0.0621,

0.3035

0.1666

356.4991, 0.2586,
0.3051

■ 0.1335, 0.0000,
0.0461

■ 0.0000, 0.0000,
0.0000

■ 58.8437, 0.2179,
0.2834

■ 58.8437, 0.2179,
0.2834

■ 55.8121, 0.2124,
0.2766

■ 62.3312, 0.2254,
0.2902

■ 53.1688, 0.2087,
0.2700

■ 66.3171, 0.2349,
0.2969

■ 52.2866, 0.2077,
0.2676

■ 70.8455, 0.2461,
0.3034

■ 75.9534, 0.2588,
0.3096

■ 81.6743, 0.2727,
0.3155

■ 88.0387, 0.2874,
0.3210

■ 95.0752, 0.3027,
0.3260

■ 99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



58.8437, 0.2340, 0.3309



58.8437, 0.2179, 0.2834



58.8437, 0.2242, 0.2540

Triad

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



58.8437, 0.2179, 0.2834



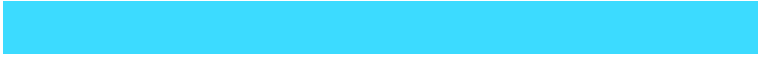
58.8437, 0.3512, 0.2820



58.8437, 0.3711, 0.4225

Complementary

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



58.8437, 0.2179, 0.2834



29.9563, 0.5515, 0.3574

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.



58.8437, 0.4074, 0.3987



58.8437, 0.2179, 0.2834



58.8437, 0.3969, 0.3191

Square

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



58.8437, 0.2179, 0.2834



58.8437, 0.2974, 0.2558



58.8437, 0.4178, 0.3606



58.8437, 0.3209, 0.4189

Rectangle

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



58.8437, 0.2179, 0.2834



58.8437, 0.2404, 0.2460



58.8437, 0.4178, 0.3606



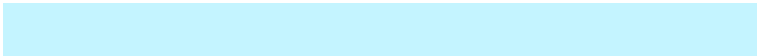
58.8437, 0.3854, 0.4170

Sweetspot

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



58.8458, 0.2179, 0.2834



83.8108, 0.2776, 0.3174



73.3005, 0.2918, 0.5386



17.4638, 0.2724, 0.3154



0.0000, 0.0000, 0.0000



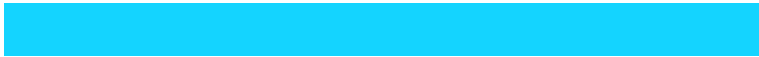
21.4041, 0.3127, 0.3290

Same Dimension

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



58.8458, 0.2179, 0.2834



54.3143, 0.2101, 0.2729



22.0526, 0.1835, 0.1507



19.8778, 0.2980, 0.3245



27.5354, 0.2080, 0.2687



2.8221, 0.2101, 0.2763

Inverse Universe

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



29.6094, 0.3588, 0.1910



26.5133, 0.3698, 0.1838



59.8328, 0.4578, 0.4478



18.2395, 0.3166, 0.3098



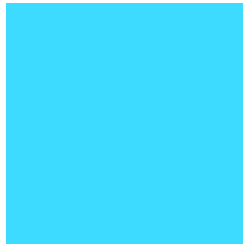
13.5077, 0.3740, 0.1834



1.3294, 0.3669, 0.1795

Previews

White Background



This preview shows how the Yxy color 58.8437, 0.2179, 0.2834 looks on a white background.

Color Contrast Check

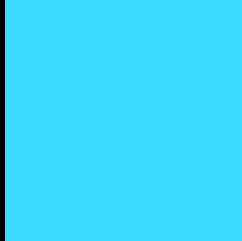
Large Text (above 18pt) WCAG AA × Fail

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 58.8437, 0.2179, 0.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

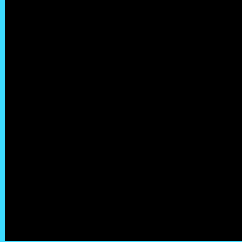
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8437, 0.2179, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 58.8437, 0.2179, 0.2834.

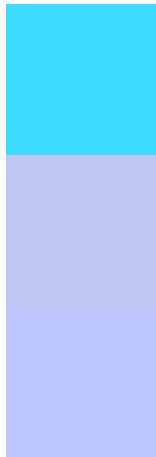


This preview shows how white text looks on a background with the Yxy color 58.8437, 0.2179, 0.2834.

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

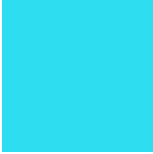
58.8437, 0.2179, 0.2834

Protanopia

57.7558, 0.2791, 0.2807

Deuteranopia

57.9713, 0.2686, 0.2639



Tritanopia

59.1147, 0.2219, 0.3052

Trichromacy



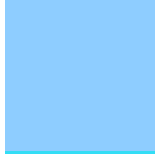
Original Color

58.8437, 0.2179, 0.2834



Protanomaly

56.5748, 0.2480, 0.2813



Deuteranomaly

56.6334, 0.2424, 0.2690



Tritanomaly

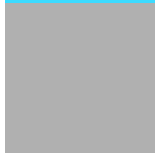
59.0093, 0.2205, 0.2977

Monochromacy



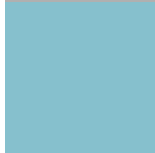
Original Color

58.8437, 0.2179, 0.2834



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

47.1754, 0.2618, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8437, 0.2179, 0.2834 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(60, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(60, 219, 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(60, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.8437, 0.2179, 0.2834 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(60, 219, 255) }
```

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

```
.border{ border-color:rgb(60, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(60, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8437, 0.2179, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 219, 255) }
```

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

```
.background{ background-color: rgb(60, 219,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor