

Converting Colors

$Yxy(51.1547, 0.2084, 0.2638)$

Have a look what the booklet for
Yxy(51.1547, 0.2084, 0.2638)
contains.

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Color

Yxy(51.1587, 0.2084, 0.2638)

Conversions

Conversions Part 1

Format	Color
Hex	1ECDFF
RGB	30, 205, 255
RGB Percent	12%, 80%, 100%
CMY	0.8827, 0.1961, 0.0000
CMYK	0.88, 0.20, 0.00, 0.00
HSL	193°, 100%, 56%
HSV	193°, 88%, 100%
XYZ	40.4150, 51.1587, 102.3562
YIQ	158.3750, -120.3500, -21.5500

Conversions

Conversions Part 2

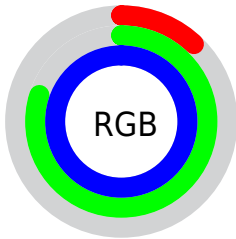
Format	Color
R _Y B	30, 128, 255
Decimal	2018815
CIE Lab	76.78, -23.91, -35.96
CIE LCh	77, 43.185, 236.387
Yxy	51.1587, 0.2084, 0.2638
Android (android.graphics.Color)	4280208895 (0xFF1ECDFF)
YUV	158.3750, 47.6361, -112.5849
Hunter-Lab	71.5253, -24.3088, -34.7791

Details

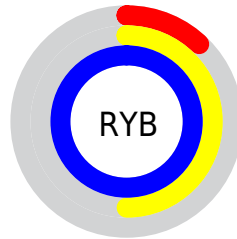
The Yxy color **51.1587, 0.2084, 0.2638** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.0786, 0.5870, 0.3585**, and the grayscale version is **34.1819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.2526, 0.2045, 0.2556**, and if you desaturate by 10%, it is **54.4687, 0.2141, 0.2721**.

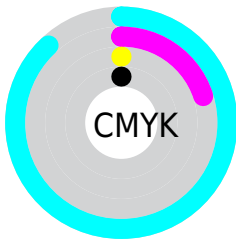
Distribution



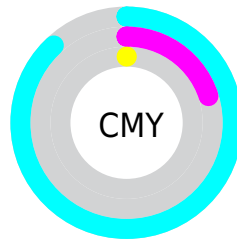
- Red (12%)
- Green (80%)
- Blue (100%)



- Red (12%)
- Yellow (50%)
- Blue (100%)



- Cyan (88%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1587, 0.2084, 0.2638 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 51.1587, 0.2084, 0.2638 by changing the saturation by 10% instead.


 51.1587, 0.2084,
0.2638


 51.1587, 0.2084,
0.2638


391.1801, 0.2570,
0.2965


 36.3349, 0.1975,
0.2558


 91.8893, 0.2252,
0.2756

 24.6930, 0.1842,
0.2458


 118.5649, 0.2317,
0.2800


 15.8485, 0.1677,
0.2328


 149.9600, 0.2374,
0.2838

 9.4170, 0.1469,
0.2156

 186.4588, 0.2423,
0.2871

 5.0142, 0.1202,
0.1919

 228.4458, 0.2466,
0.2899

 2.2556, 0.0863,
0.1583

276.3055, 0.2505,

 0.7500, 0.0194,

0.2924

0.1124

330.4221, 0.2539,
0.2946

■ 0.0000, 0.0000,
0.0000

■ 51.1587, 0.2084,
0.2638

■ 51.1587, 0.2084,
0.2638

■ 48.2526, 0.2045,
0.2556

■ 54.4687, 0.2141,
0.2721

■ 47.7724, 0.2040,
0.2542

■ 58.2488, 0.2218,
0.2804

■ 62.5515, 0.2314,
0.2886

■ 67.4203, 0.2428,
0.2966

■ 72.8933, 0.2557,
0.3042

■ 79.0050, 0.2697,
0.3114

■ 85.7871, 0.2846,
0.3182

■ 93.2686, 0.2999,
0.3243

■ 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.



51.1587, 0.2168, 0.3096



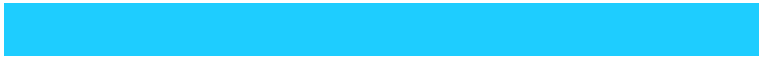
51.1587, 0.2084, 0.2638



51.1587, 0.2239, 0.2405

Triad

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



51.1587, 0.2084, 0.2638



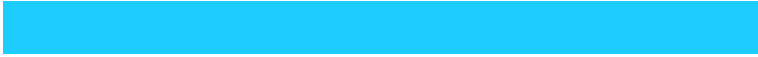
51.1587, 0.3759, 0.2909



51.1587, 0.3574, 0.4358

Complementary

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



51.1587, 0.2084, 0.2638



27.0786, 0.5870, 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.



51.1587, 0.4051, 0.4176



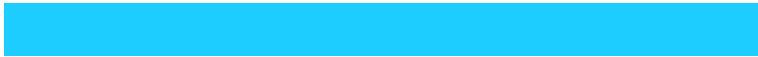
51.1587, 0.2084, 0.2638



51.1587, 0.4185, 0.3338

Square

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



51.1587, 0.2084, 0.2638



51.1587, 0.3168, 0.2574



51.1587, 0.4288, 0.3790



51.1587, 0.3002, 0.4190

Rectangle

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



51.1587, 0.2084, 0.2638



51.1587, 0.2469, 0.2374



51.1587, 0.4288, 0.3790



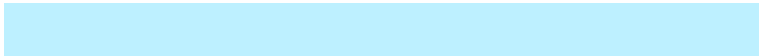
51.1587, 0.3751, 0.4330

Sweetspot

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



51.1601, 0.2084, 0.2638



80.4817, 0.2730, 0.3130



72.3549, 0.2914, 0.5593



16.7461, 0.2680, 0.3106



0.0000, 0.0000, 0.0000



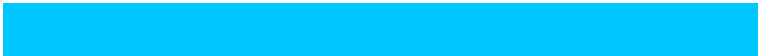
21.4041, 0.3127, 0.3290

Same Dimension

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



51.1601, 0.2084, 0.2638



47.7724, 0.2040, 0.2542



15.4461, 0.1678, 0.1149



19.7566, 0.2980, 0.3236



25.1945, 0.2043, 0.2556



2.6136, 0.2069, 0.2649

Inverse Universe

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



26.5927, 0.3781, 0.1907



25.3538, 0.3880, 0.1911



58.7145, 0.4690, 0.4578



18.2272, 0.3172, 0.3107



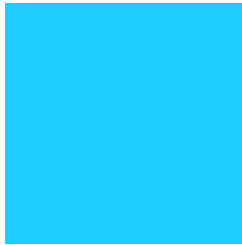
13.2714, 0.3867, 0.1904



1.3084, 0.3776, 0.1854

Previews

White Background



This preview shows how the Yxy color 51.1587, 0.2084, 0.2638 looks on a white background.

Color Contrast Check

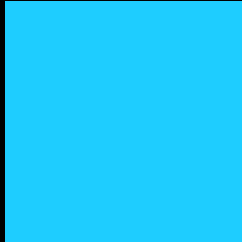
Large Text (above 18pt) WCAG AA × Fail

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 51.1587, 0.2084, 0.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

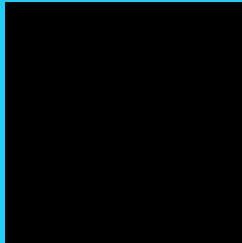
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1587, 0.2084, 0.2638

Background



This preview shows how black text looks on a background with the Yxy color 51.1587, 0.2084, 0.2638.



This preview shows how white text looks on a background with the Yxy color 51.1587, 0.2084, 0.2638.

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

51.1587, 0.2084, 0.2638

Protanopia

50.4674, 0.2656, 0.2633

Deuteranopia

50.5533, 0.2530, 0.2481



Tritanopia

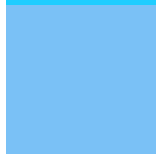
51.0372, 0.2184, 0.3064

Trichromacy



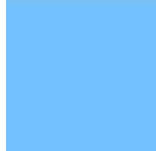
Original Color

51.1587, 0.2084, 0.2638



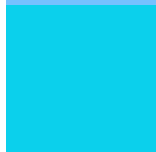
Protanomaly

48.9313, 0.2339, 0.2617



Deuteranomaly

49.1418, 0.2276, 0.2516



Tritanomaly

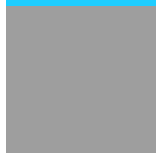
51.2390, 0.2146, 0.2906

Monochromacy



Original Color

51.1587, 0.2084, 0.2638



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.8897, 0.2511, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1587, 0.2084, 0.2638 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(30, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 205, 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(30, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.1587, 0.2084, 0.2638 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(30, 205, 255) }
```

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

```
.border{ border-color:rgb(30, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1587, 0.2084, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 205, 255) }
```

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

```
.background{ background-color: rgb(30, 205,  
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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