

Converting Colors

$Y_{xy}(51.3852, 0.2412, 0.2768)$

Have a look what the booklet for
Yxy(51.3852, 0.2412, 0.2768)
contains.

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Color

Yxy(51.2094, 0.2414, 0.2767)

Conversions

Conversions Part 1

Format	Color
Hex	80C6EF
RGB	128, 198, 239
RGB Percent	50%, 78%, 94%
CMY	0.4980, 0.2235, 0.0628
CMYK	0.46, 0.17, 0.00, 0.06
HSL	202°, 78%, 72%
HSV	202°, 46%, 94%
XYZ	44.6764, 51.2094, 89.1862
YIQ	181.7440, -54.8810, -2.0890

Conversions

Conversions Part 2

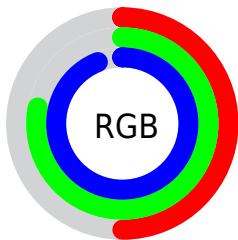
Format	Color
R _Y B	128, 171, 239
Decimal	8439535
CIE Lab	76.81, -11.26, -27.12
CIE LCh	77, 29.366, 247.446
Yxy	51.2094, 0.2414, 0.2767
Android (android.graphics.Color)	4286629615 (0xFF80C6EF)
YUV	181.7440, 28.2272, -47.1335
Hunter-Lab	71.5607, -13.7913, -23.8006

Details

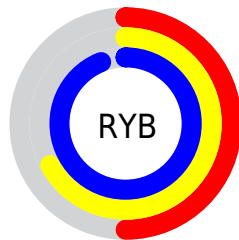
The Yxy color **51.2094, 0.2414, 0.2767** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.2867, 0.4165, 0.3746**, and the grayscale version is **46.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **24.6675, 0.2235, 0.2620** is the 20% darker color. If you saturate the color by 10%, you get **45.6522, 0.2278, 0.2630**, and if you desaturate by 10%, it is **57.4421, 0.2561, 0.2897**.

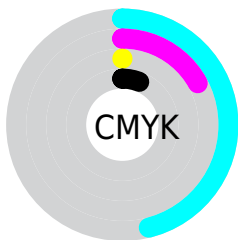
Distribution



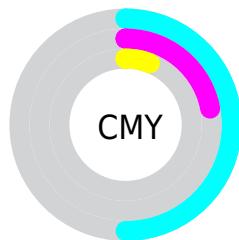
- Red (50%)
- Green (78%)
- Blue (94%)



- Red (50%)
- Yellow (67%)
- Blue (94%)



- Cyan (46%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)



- Cyan (50%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2094, 0.2414, 0.2767 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 51.2094, 0.2414, 0.2767 by changing the saturation by 10% instead.

■ 51.2094, 0.2414,
0.2767

■ 51.2094, 0.2414,
0.2767

■ 391.3768, 0.2754,
0.3026

■ 36.3753, 0.2335,
0.2704

■ 91.9642, 0.2534,
0.2860

■ 24.7242, 0.2236,
0.2625

■ 118.6537, 0.2580,
0.2895

■ 15.8717, 0.2110,
0.2522

■ 150.0638, 0.2619,
0.2925

■ 9.4334, 0.1945,
0.2383

■ 186.5789, 0.2653,
0.2951

■ 5.0249, 0.1721,
0.2188

■ 228.5833, 0.2683,
0.2973

■ 2.2619, 0.1407,
0.1899

■ 276.4615, 0.2710,

■ 0.7534, 0.0851,

0.2993

0.1453

330.5979, 0.2733,
0.3010

0.0000, 0.0000,
0.0000

51.2094, 0.2414,
0.2767

51.2094, 0.2414,
0.2767

45.6522, 0.2278,
0.2630

57.4421, 0.2561,
0.2897

40.7296, 0.2156,
0.2488

64.3765, 0.2715,
0.3018

36.4043, 0.2053,
0.2344

72.0439, 0.2871,
0.3129

32.6308, 0.1971,
0.2201

80.4720, 0.3028,
0.3230

29.3534, 0.1911,
0.2060

89.6867, 0.3181,
0.3321

■ 28.2748, 0.1892,
0.2011

■ 96.4659, 0.3224,
0.3406

■ 99.0117, 0.3220,
0.3444

Harmonies

Analogous

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



51.2094, 0.2413, 0.3040



51.2094, 0.2414, 0.2767



51.2094, 0.2590, 0.2648

Triad

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



51.2094, 0.2414, 0.2767



51.2094, 0.3683, 0.3138



51.2094, 0.3305, 0.3988

Complementary

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



51.2094, 0.2414, 0.2767



48.2867, 0.4165, 0.3746

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.



51.2094, 0.3666, 0.3969



51.2094, 0.2414, 0.2767



51.2094, 0.3898, 0.3460

Square

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



51.2094, 0.2414, 0.2767



51.2094, 0.3313, 0.2863



51.2094, 0.3888, 0.3764



51.2094, 0.2911, 0.3781

Rectangle

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



51.2094, 0.2414, 0.2767



51.2094, 0.2791, 0.2658



51.2094, 0.3888, 0.3764



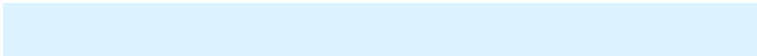
51.2094, 0.3434, 0.4006

Sweetspot

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



51.2113, 0.2414, 0.2767



85.7201, 0.2909, 0.3154



69.1738, 0.2854, 0.4209



17.9104, 0.2875, 0.3132



0.0000, 0.0000, 0.0000



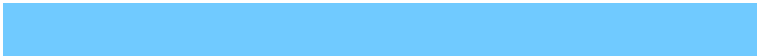
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2113, 0.2414, 0.2767



53.0389, 0.2281, 0.2633



30.4101, 0.2279, 0.2022



16.8903, 0.2980, 0.3201



15.8853, 0.1898, 0.2033



1.5110, 0.1949, 0.2217

Inverse Universe

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



37.8690, 0.3584, 0.2537



37.1689, 0.3724, 0.2397



73.3261, 0.3880, 0.4298



15.9266, 0.3195, 0.3142



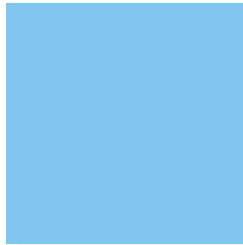
11.3970, 0.4415, 0.2206



0.9672, 0.4214, 0.2095

Previews

White Background



This preview shows how the Yxy color 51.2094, 0.2414, 0.2767 looks on a white background.

Color Contrast Check

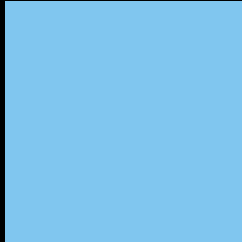
Large Text (above 18pt) WCAG AA × Fail

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 51.2094, 0.2414, 0.2767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

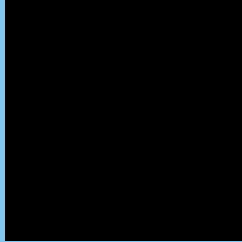
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

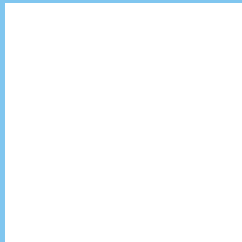
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2094, 0.2414, 0.2767

Background



This preview shows how black text looks on a background with the Yxy color 51.2094, 0.2414, 0.2767.



This preview shows how white text looks on a background with the Yxy color 51.2094, 0.2414, 0.2767.

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

51.2094, 0.2414, 0.2767

Protanopia

50.8939, 0.2754, 0.2760

Deuteranopia

50.6924, 0.2683, 0.2617



Tritanopia

51.4406, 0.2499, 0.3075

Trichromacy



Original Color

51.2094, 0.2414, 0.2767

Protanomaly

50.6757, 0.2611, 0.2758

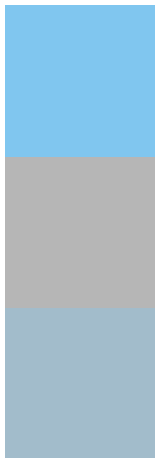
Deuteranomaly

50.6514, 0.2570, 0.2668

Tritanomaly

51.5494, 0.2465, 0.2961

Monochromacy



Original Color

51.2094, 0.2414, 0.2767

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.9596, 0.2816, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2094, 0.2414, 0.2767 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(128, 198, 239)` looks like.

```
.text, #text, p{  
    color:rgb(128, 198, 239)  
}
```

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(128, 198, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 198, 239) }
```

Border

The CSS property to change the border of an element to Yxy 51.2094, 0.2414, 0.2767 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(128, 198, 239) }
```

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

```
.border{ border-color:rgb(128, 198, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 198, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 198, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 198, 239);  
box-shadow:4px 4px 4px 4px rgb(128, 198,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2094, 0.2414, 0.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 198, 239) }
```

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

```
.background{ background-color: rgb(128,  
198, 239) }
```

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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