

Converting Colors

$Y_{xy}(72.8209, 0.2000, 0.1849)$

Have a look what the booklet for
Yxy(72.8209, 0.2000, 0.1849)
contains.

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Color

Yxy(62.1881, 0.2402, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	83DAFF
RGB	131, 218, 255
RGB Percent	51%, 85%, 100%
CMY	0.4860, 0.1451, 0.0000
CMYK	0.49, 0.15, 0.00, 0.00
HSL	198°, 100%, 76%
HSV	198°, 49%, 100%
XYZ	52.4862, 62.1881, 103.8362
YIQ	196.2050, -63.7290, -6.9370

Conversions

Conversions Part 2

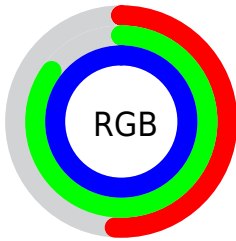
Format	Color
R _Y B	131, 182, 255
Decimal	8641279
CIE Lab	83.01, -16.57, -26.15
CIE LCh	83, 30.958, 237.634
Yxy	62.1881, 0.2402, 0.2846
Android (android.graphics.Color)	4286831359 (0xFF83DAFF)
YUV	196.2050, 28.9859, -57.1848
Hunter-Lab	78.8594, -19.2003, -22.8670

Details

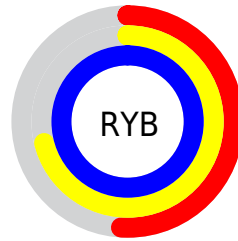
The Yxy color **62.1881, 0.2402, 0.2846** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.9234, 0.4286, 0.3678**, and the grayscale version is **55.1914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **31.5737, 0.2234, 0.2732** is the 20% darker color. If you saturate the color by 10%, you get **56.5402, 0.2278, 0.2736**, and if you desaturate by 10%, it is **68.5230, 0.2539, 0.2951**.

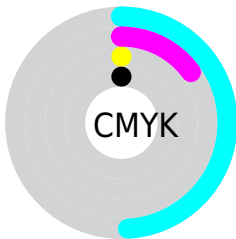
Distribution



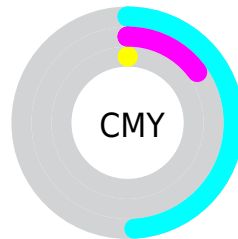
- Red (51%)
- Green (85%)
- Blue (100%)



- Red (51%)
- Yellow (71%)
- Blue (100%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1881, 0.2402, 0.2846 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 62.1881, 0.2402, 0.2846 by changing the saturation by 10% instead.


 62.1881, 0.2402,
0.2846

 62.1881, 0.2402,
0.2846


432.6169, 0.2736,
0.3062


 45.1847, 0.2327,
0.2795


 107.9973, 0.2517,
0.2923

 31.6029, 0.2235,
0.2731

 137.5720, 0.2562,
0.2952

 21.0584, 0.2119,
0.2648


 172.1058, 0.2601,
0.2977

 13.1667, 0.1971,
0.2539

211.9833, 0.2635,
0.2998

 7.5434, 0.1776,
0.2388

257.5887, 0.2665,
0.3017

 3.8042, 0.1509,
0.2168

309.3065, 0.2691,

 1.5647, 0.1135,

0.3034

0.1830

367.5211, 0.2715,
0.3049

0.3336, 0.0000,
0.1070

0.0000, 0.0000,
0.0000

62.1881, 0.2402,
0.2846

62.1881, 0.2402,
0.2846

56.5402, 0.2278,
0.2736

68.5230, 0.2539,
0.2951

51.5324, 0.2171,
0.2623

75.5738, 0.2686,
0.3050

47.1221, 0.2084,
0.2508

83.3759, 0.2838,
0.3141

43.2561, 0.2017,
0.2393

91.9599, 0.2994,
0.3225

■ 39.8601, 0.1969,
0.2281

99.9994, 0.3127,
0.3290

■ 39.4095, 0.1963,
0.2265

Harmonies

Analogous

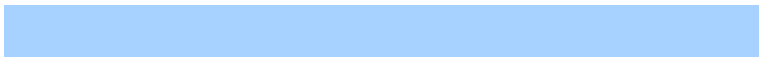
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.1881, 0.2460, 0.3158



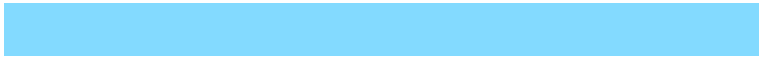
62.1881, 0.2402, 0.2846



62.1881, 0.2521, 0.2676

Triad

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



62.1881, 0.2402, 0.2846



62.1881, 0.3568, 0.3043



62.1881, 0.3429, 0.3997

Complementary

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



62.1881, 0.2402, 0.2846



50.9234, 0.4286, 0.3678

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.



62.1881, 0.3751, 0.3911



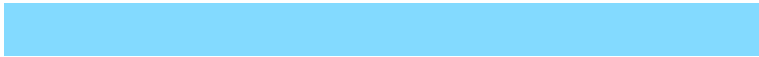
62.1881, 0.2402, 0.2846



62.1881, 0.3842, 0.3353

Square

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



62.1881, 0.2402, 0.2846



62.1881, 0.3179, 0.2798



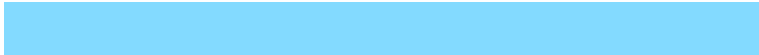
62.1881, 0.3908, 0.3667



62.1881, 0.3038, 0.3864

Rectangle

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



62.1881, 0.2402, 0.2846



62.1881, 0.2690, 0.2652



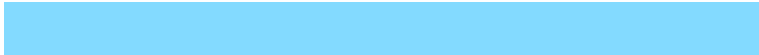
62.1881, 0.3908, 0.3667



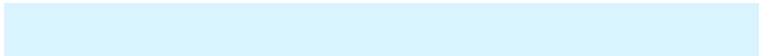
62.1881, 0.3549, 0.3991

Sweetspot

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



62.1904, 0.2402, 0.2846



86.3836, 0.2894, 0.3172



79.1038, 0.2893, 0.4399



18.1111, 0.2861, 0.3154



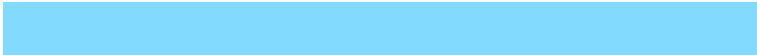
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



62.1904, 0.2402, 0.2846



56.8666, 0.2285, 0.2743



36.4726, 0.2256, 0.2076



19.5120, 0.2980, 0.3217



20.8673, 0.1968, 0.2284



2.2228, 0.2004, 0.2412

Inverse Universe

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



42.5684, 0.3526, 0.2421



36.4919, 0.3635, 0.2277



78.4619, 0.3966, 0.4256



18.2025, 0.3184, 0.3125



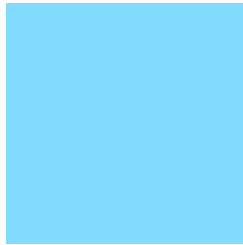
12.8345, 0.4143, 0.2056



1.2689, 0.4010, 0.1983

Previews

White Background



This preview shows how the Yxy color 62.1881, 0.2402, 0.2846 looks on a white background.

Color Contrast Check

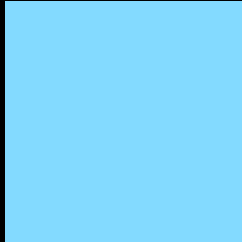
Large Text (above 18pt) WCAG AA × Fail

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 62.1881, 0.2402, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

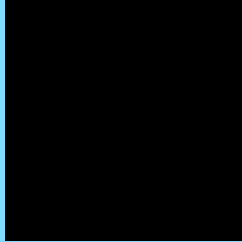
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1881, 0.2402, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 62.1881, 0.2402, 0.2846.

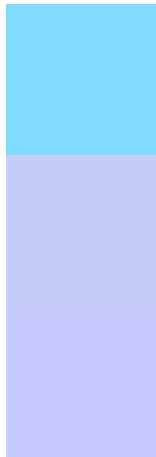


This preview shows how white text looks on a background with the Yxy color 62.1881, 0.2402, 0.2846.

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

62.1881, 0.2402, 0.2846

Protanopia

61.6486, 0.2805, 0.2830

Deuteranopia

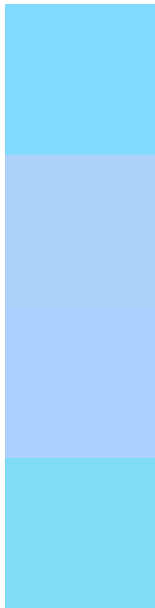
61.6032, 0.2757, 0.2708



Tritanopia

62.3805, 0.2459, 0.3066

Trichromacy



Original Color

62.1881, 0.2402, 0.2846

Protanomaly

61.3247, 0.2634, 0.2827

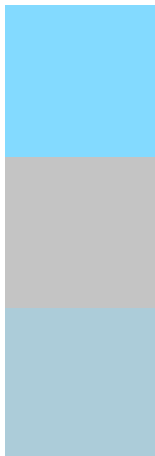
Deuteranomaly

61.3304, 0.2606, 0.2753

Tritanomaly

62.3682, 0.2438, 0.2983

Monochromacy



Original Color

62.1881, 0.2402, 0.2846

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.9661, 0.2809, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1881, 0.2402, 0.2846 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(131, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 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(131, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.1881, 0.2402, 0.2846 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(131, 218, 255) }
```

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

```
.border{ border-color:rgb(131, 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(131, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1881, 0.2402, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 218, 255) }
```

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

```
.background{ background-color: rgb(131,  
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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