

Converting Colors

$Yxy(68.5845, 0.2398, 0.3004)$

Have a look what the booklet for
Yxy(68.5845, 0.2398, 0.3004)
contains.

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Color

Yxy(68.5828, 0.2400, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	7BE7FF
RGB	123, 231, 255
RGB Percent	48%, 91%, 100%
CMY	0.5175, 0.0941, 0.0001
CMYK	0.52, 0.09, 0.00, 0.00
HSL	191°, 100%, 74%
HSV	191°, 52%, 100%
XYZ	54.7932, 68.5828, 104.9289
YIQ	201.4440, -72.0720, -15.4320

Conversions

Conversions Part 2

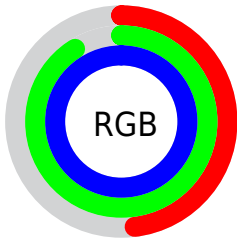
Format	Color
R_{YB}	123, 182, 255
Decimal	8120319
CIE _{Lab}	86.30, -24.80, -21.17
CIE _{LCh}	86, 32.612, 220.489
Yxy	68.5828, 0.2400, 0.3004
Android (android.graphics.Color)	4286310399 (0xFF7BE7FF)
YUV	201.4440, 26.4031, -68.7954
Hunter-Lab	82.8147, -26.8238, -17.1520

Details

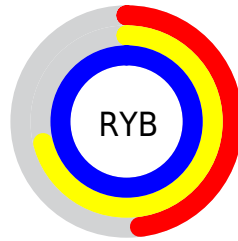
The Yxy color **68.5828, 0.2400, 0.3004** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.5525, 0.4490, 0.3540**, and the grayscale version is **58.5707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **35.6367, 0.2239, 0.2927** is the 20% darker color. If you saturate the color by 10%, you get **64.3845, 0.2297, 0.2939**, and if you desaturate by 10%, it is **73.3445, 0.2519, 0.3067**.

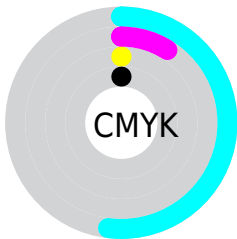
Distribution



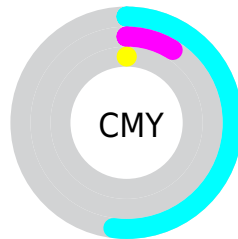
- Red (48%)
- Green (91%)
- Blue (100%)



- Red (48%)
- Yellow (71%)
- Blue (100%)



- Cyan (52%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5828, 0.2400, 0.3004 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 68.5828, 0.2400, 0.3004 by changing the saturation by 10% instead.


 68.5828, 0.2400,
0.3004


 68.5828, 0.2400,
0.3004


455.5581, 0.2730,
0.3146


 50.3720, 0.2327,
0.2970


 117.1855, 0.2513,
0.3055

 35.7091, 0.2238,
0.2926


 148.3462, 0.2557,
0.3074

 24.2096, 0.2127,
0.2870


 184.5923, 0.2595,
0.3091

 15.4892, 0.1986,
0.2794

226.3083, 0.2629,
0.3105

 9.1634, 0.1801,
0.2688

273.8784, 0.2659,
0.3117

 4.8479, 0.1551,
0.2530

327.6872, 0.2685,

 2.1583, 0.1202,

0.3128

0.2278

388.1190, 0.2708,
0.3137

0.6971, 0.0157,
0.1916

0.0000, 0.0000,
0.0000

68.5828, 0.2400,
0.3004

68.5828, 0.2400,
0.3004

64.3845, 0.2297,
0.2939

73.3445, 0.2519,
0.3067

60.7024, 0.2214,
0.2873

78.6970, 0.2652,
0.3127

57.4939, 0.2149,
0.2806

84.6749, 0.2795,
0.3183

54.7045, 0.2105,
0.2740

91.3078, 0.2945,
0.3235

■ 52.6498, 0.2080,
0.2686

■ 98.6233, 0.3100,
0.3282

■ 99.9979, 0.3127,
0.3290

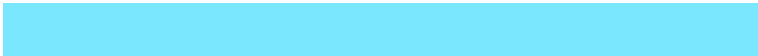
Harmonies

Analogous

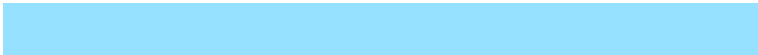
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5828, 0.2560, 0.3378



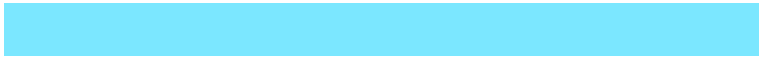
68.5828, 0.2400, 0.3004



68.5828, 0.2419, 0.2744

Triad

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



68.5828, 0.2400, 0.3004



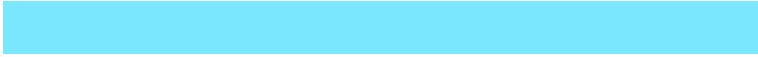
68.5828, 0.3356, 0.2885



68.5828, 0.3637, 0.3986

Complementary

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



68.5828, 0.2400, 0.3004



43.5525, 0.4490, 0.3540

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.



68.5828, 0.3880, 0.3794



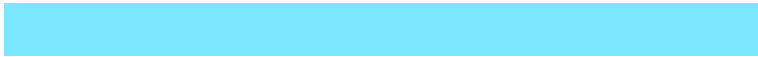
68.5828, 0.2400, 0.3004



68.5828, 0.3718, 0.3169

Square

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



68.5828, 0.2400, 0.3004



68.5828, 0.2949, 0.2696



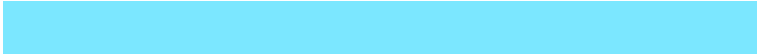
68.5828, 0.3914, 0.3494



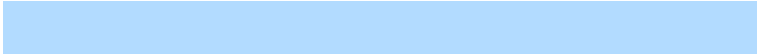
68.5828, 0.3266, 0.3982

Rectangle

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



68.5828, 0.2400, 0.3004



68.5828, 0.2530, 0.2657



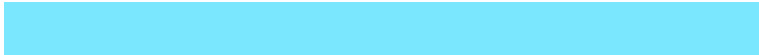
68.5828, 0.3914, 0.3494



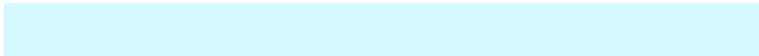
68.5828, 0.3737, 0.3940

Sweetspot

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



68.5854, 0.2400, 0.3004



88.4286, 0.2881, 0.3213



77.7580, 0.2954, 0.4684



18.6359, 0.2850, 0.3202



0.0000, 0.0000, 0.0000



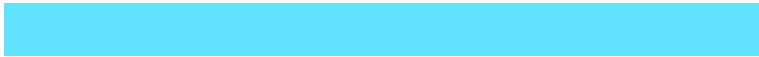
21.4041, 0.3127, 0.3290

Same Dimension

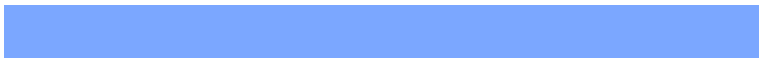
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5854, 0.2400, 0.3004



64.3025, 0.2295, 0.2937



39.0741, 0.2235, 0.2181



19.8872, 0.2980, 0.3246



27.7215, 0.2083, 0.2697



2.8386, 0.2103, 0.2772

Inverse Universe

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



41.1986, 0.3406, 0.2237



35.2974, 0.3478, 0.2071



69.2687, 0.4105, 0.4175



18.2404, 0.3166, 0.3098



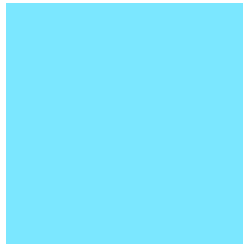
13.5265, 0.3731, 0.1829



1.3311, 0.3661, 0.1790

Previews

White Background



This preview shows how the Yxy color 68.5828, 0.2400, 0.3004 looks on a white background.

Color Contrast Check

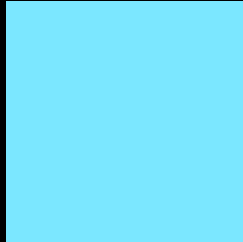
Large Text (above 18pt) WCAG AA × Fail

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 68.5828, 0.2400, 0.3004 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 68.5828, 0.2400, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 68.5828, 0.2400, 0.3004.



This preview shows how white text looks on a background with the Yxy color 68.5828, 0.2400, 0.3004.

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

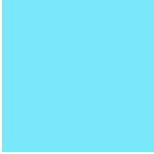
68.5828, 0.2400, 0.3004

Protanopia

67.7612, 0.2910, 0.2963

Deuteranopia

67.4593, 0.2856, 0.2811



Tritanopia

68.6803, 0.2416, 0.3073

Trichromacy



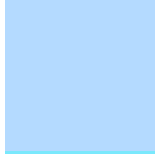
Original Color

68.5828, 0.2400, 0.3004



Protanomaly

67.3668, 0.2689, 0.2982



Deuteranomaly

67.0661, 0.2655, 0.2875



Tritanomaly

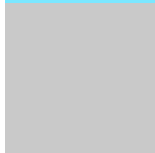
68.8791, 0.2411, 0.3050

Monochromacy



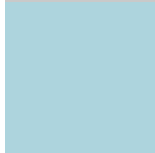
Original Color

68.5828, 0.2400, 0.3004



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.1917, 0.2798, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5828, 0.2400, 0.3004 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(123, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 231, 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(123, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5828, 0.2400, 0.3004 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(123, 231, 255) }
```

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

```
.border{ border-color:rgb(123, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5828, 0.2400, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 231, 255) }
```

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

```
.background{ background-color: rgb(123,  
231, 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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