

Converting Colors

Yxy(68.4434, 0.2441, 0.3131)

Have a look what the booklet for
Yxy(68.4434, 0.2441, 0.3131)
contains.

Yxy(68.4434, 0.2441, 0.3131)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.4434, 0.2441, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	7AE8F5
RGB	122, 232, 245
RGB Percent	48%, 91%, 96%
CMY	0.5218, 0.0902, 0.0392
CMYK	0.50, 0.05, 0.00, 0.04
HSL	186°, 86%, 72%
HSV	186°, 50%, 96%
XYZ	53.3601, 68.4434, 96.7957
YIQ	200.5920, -69.7330, -19.2770

Conversions

Conversions Part 2

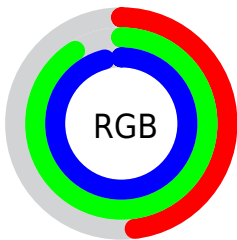
Format	Color
R _Y B	122, 180, 245
Decimal	8055029
CIE Lab	86.23, -28.16, -16.05
CIE LCh	86, 32.417, 209.682
Yxy	68.4434, 0.2441, 0.3131
Android (android.graphics.Color)	4286245109 (0xFF7AE8F5)
YUV	200.5920, 21.8931, -68.9252
Hunter-Lab	82.7305, -29.6484, -11.4586

Details

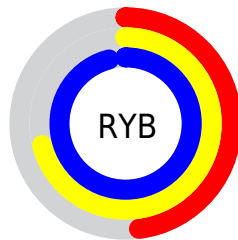
The Yxy color **68.4434, 0.2441, 0.3131** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.1352, 0.4485, 0.3433**, and the grayscale version is **58.0321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **35.5946, 0.2283, 0.3079** is the 20% darker color. If you saturate the color by 10%, you get **65.4310, 0.2346, 0.3095**, and if you desaturate by 10%, it is **71.9332, 0.2554, 0.3166**.

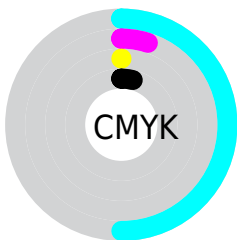
Distribution



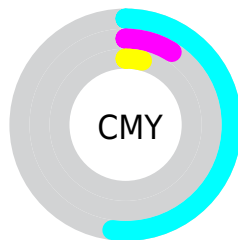
- Red (48%)
- Green (91%)
- Blue (96%)



- Red (48%)
- Yellow (71%)
- Blue (96%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)




- Cyan (52%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4434, 0.2441, 0.3131 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 68.4434, 0.2441, 0.3131 by changing the saturation by 10% instead.


 68.4434, 0.2441,
0.3131


 68.4434, 0.2441,
0.3131


455.0654, 0.2754,
0.3214


 50.2585, 0.2371,
0.3110


 116.9862, 0.2548,
0.3161

 35.6189, 0.2286,
0.3083


 148.1130, 0.2590,
0.3173

 24.1400, 0.2179,
0.3047


 184.3225, 0.2627,
0.3182

 15.4375, 0.2043,
0.2998

225.9992, 0.2658,
0.3190

 9.1270, 0.1862,
0.2926

273.5275, 0.2687,
0.3197

 4.8241, 0.1615,
0.2814

327.2916, 0.2711,

 2.1444, 0.1263,

0.3204

387.6762, 0.2734,
0.3209

0.2623

0.6894, 0.0000,
0.2396

0.0000, 0.0000,
0.0000

68.4434, 0.2441,
0.3131

68.4434, 0.2441,
0.3131

65.4310, 0.2346,
0.3095

71.9332, 0.2554,
0.3166

62.8535, 0.2269,
0.3057

75.9237, 0.2681,
0.3200

60.6738, 0.2212,
0.3020

80.4457, 0.2821,
0.3232

58.8447, 0.2175,
0.2984

85.5255, 0.2969,
0.3262

■ 57.3197, 0.2152,
0.2948

■ 91.1873, 0.3124,
0.3289

■ 94.7094, 0.3190,
0.3315

■ 96.3088, 0.3188,
0.3339

■ 97.9304, 0.3187,
0.3364

■ 99.3735, 0.3185,
0.3386

Harmonies

Analogous

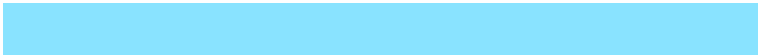
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.4434, 0.2660, 0.3520



68.4434, 0.2441, 0.3131



68.4434, 0.2395, 0.2823

Triad

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



68.4434, 0.2441, 0.3131



68.4434, 0.3208, 0.2806



68.4434, 0.3742, 0.3932

Complementary

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



68.4434, 0.2441, 0.3131



38.1352, 0.4485, 0.3433

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.



68.4434, 0.3915, 0.3692



68.4434, 0.2441, 0.3131



68.4434, 0.3598, 0.3060

Square

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



68.4434, 0.2441, 0.3131



68.4434, 0.2817, 0.2662



68.4434, 0.3864, 0.3376



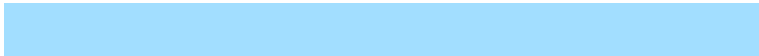
68.4434, 0.3407, 0.4006

Rectangle

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



68.4434, 0.2441, 0.3131



68.4434, 0.2464, 0.2698



68.4434, 0.3864, 0.3376



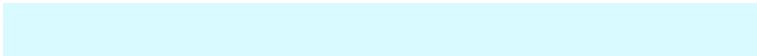
68.4434, 0.3821, 0.3866

Sweetspot

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



68.4460, 0.2441, 0.3131



90.9013, 0.2897, 0.3248



71.1765, 0.2996, 0.4739



19.2076, 0.2866, 0.3242



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.



68.4460, 0.2441, 0.3131



71.6785, 0.2347, 0.3095



39.9202, 0.2286, 0.2334



18.4410, 0.2981, 0.3264



30.9977, 0.2154, 0.2954



2.8086, 0.2167, 0.3000

Inverse Universe

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



39.1491, 0.3304, 0.2186



36.9847, 0.3346, 0.2011



60.2042, 0.4116, 0.4071



16.7363, 0.3154, 0.3081



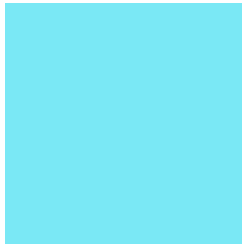
13.2286, 0.3495, 0.1699



1.1712, 0.3454, 0.1677

Previews

White Background



This preview shows how the Yxy color 68.4434, 0.2441, 0.3131 looks on a white background.

Color Contrast Check

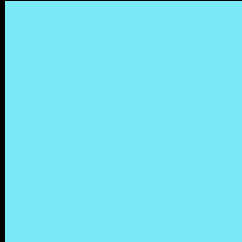
Large Text (above 18pt) WCAG AA × Fail

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 68.4434, 0.2441, 0.3131 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 68.4434, 0.2441, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 68.4434, 0.2441, 0.3131.

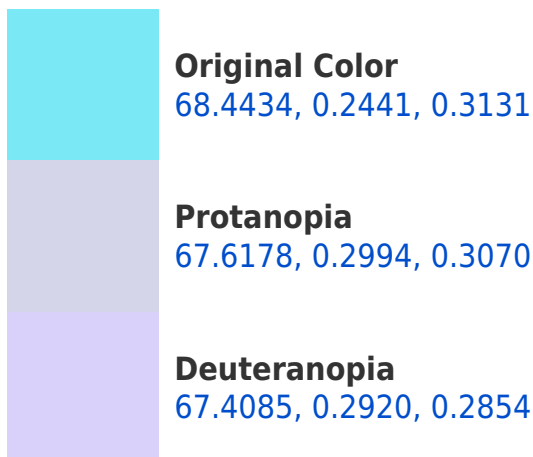


This preview shows how white text looks on a background with the Yxy color 68.4434, 0.2441, 0.3131.

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





Tritanopia

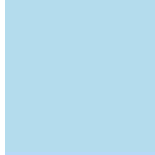
68.3390, 0.2425, 0.3061

Trichromacy



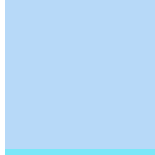
Original Color

68.4434, 0.2441, 0.3131



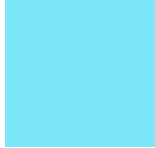
Protanomaly

67.0041, 0.2756, 0.3093



Deuteranomaly

66.4703, 0.2710, 0.2939



Tritanomaly

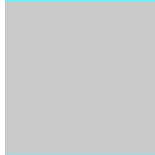
68.1401, 0.2430, 0.3084

Monochromacy



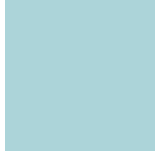
Original Color

68.4434, 0.2441, 0.3131



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.8674, 0.2815, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4434, 0.2441, 0.3131 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(122, 232, 245)` looks like.

```
.text, #text, p{  
    color:rgb(122, 232, 245)  
}
```

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(122, 232, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 232, 245) }
```

Border

The CSS property to change the border of an element to Yxy 68.4434, 0.2441, 0.3131 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(122, 232, 245) }
```

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

```
.border{ border-color:rgb(122, 232, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 232, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 232, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 232, 245);  
box-shadow:4px 4px 4px 4px rgb(122, 232,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4434, 0.2441, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 232, 245) }
```

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

```
.background{ background-color: rgb(122,  
232, 245) }
```

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