

Converting Colors

$Yxy(68.0839, 0.2427, 0.2982)$

Have a look what the booklet for
Yxy(68.0839, 0.2427, 0.2982)
contains.

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Color

Yxy(68.0839, 0.2427, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	83E5FF
RGB	131, 229, 255
RGB Percent	51%, 90%, 100%
CMY	0.4868, 0.1019, 0.0000
CMYK	0.49, 0.10, 0.00, 0.00
HSL	193°, 100%, 76%
HSV	193°, 49%, 100%
XYZ	55.4123, 68.0839, 104.8200
YIQ	202.6620, -66.7540, -12.6900

Conversions

Conversions Part 2

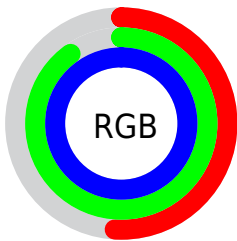
Format	Color
R_{YB}	131, 186, 255
Decimal	8644095
CIE _{Lab}	86.05, -22.17, -21.54
CIE _{LCh}	86, 30.907, 224.170
Yxy	68.0839, 0.2427, 0.2982
Android (android.graphics.Color)	4286834175 (0xFF83E5FF)
YUV	202.6620, 25.8026, -62.8476
Hunter-Lab	82.5130, -24.5244, -17.5597

Details

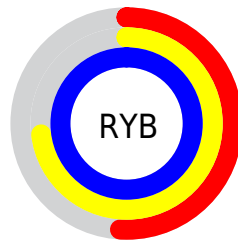
The Yxy color **68.0839, 0.2427, 0.2982** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.9518, 0.4353, 0.3563**, and the grayscale version is **59.3472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **35.2296, 0.2269, 0.2897** is the 20% darker color. If you saturate the color by 10%, you get **63.3900, 0.2315, 0.2907**, and if you desaturate by 10%, it is **73.3744, 0.2554, 0.3054**.

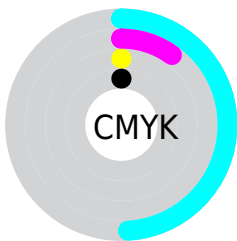
Distribution



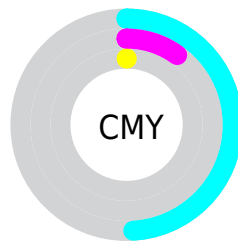
- Red (51%)
- Green (90%)
- Blue (100%)



- Red (51%)
- Yellow (73%)
- Blue (100%)



- Cyan (49%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0839, 0.2427, 0.2982 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 68.0839, 0.2427, 0.2982 by changing the saturation by 10% instead.

 68.0839, 0.2427,
0.2982


 68.0839, 0.2427,
0.2982


453.7932, 0.2745,
0.3133

 49.9660, 0.2356,
0.2946


 116.4722, 0.2536,
0.3036

 35.3864, 0.2270,
0.2900


 147.5113, 0.2579,
0.3057

 23.9607, 0.2162,
0.2841


 183.6263, 0.2616,
0.3074

 15.3044, 0.2025,
0.2762

225.2016, 0.2648,
0.3089

 9.0333, 0.1844,
0.2651

272.6215, 0.2677,
0.3102

 4.7629, 0.1599,
0.2488

326.2705, 0.2702,

 2.1088, 0.1254,

0.3114

0.2230

386.5329, 0.2725,
0.3124

0.6696, 0.0262,
0.1840

0.0000, 0.0000,
0.0000

68.0839, 0.2427,
0.2982

68.0839, 0.2427,
0.2982

63.3900, 0.2315,
0.2907

73.3744, 0.2554,
0.3054

59.2467, 0.2222,
0.2830

79.2882, 0.2692,
0.3122

55.6132, 0.2147,
0.2752

85.8594, 0.2840,
0.3185

52.4379, 0.2093,
0.2675

93.1171, 0.2993,
0.3244

■ 49.6478, 0.2057,
0.2599

99.9994, 0.3127,
0.3290

■ 49.2948, 0.2052,
0.2589

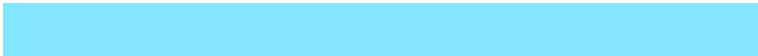
Harmonies

Analogous

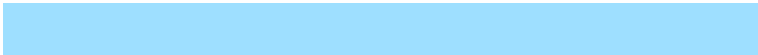
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0839, 0.2560, 0.3328



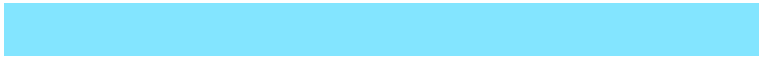
68.0839, 0.2427, 0.2982



68.0839, 0.2466, 0.2750

Triad

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



68.0839, 0.2427, 0.2982



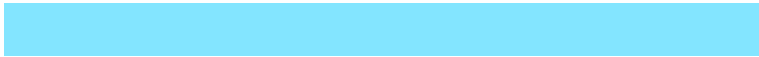
68.0839, 0.3392, 0.2933



68.0839, 0.3575, 0.3962

Complementary

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



68.0839, 0.2427, 0.2982



46.9518, 0.4353, 0.3563

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.



68.0839, 0.3824, 0.3801



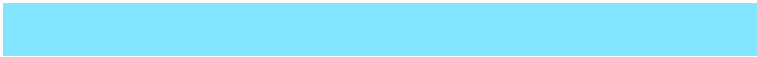
68.0839, 0.2427, 0.2982



68.0839, 0.3721, 0.3213

Square

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



68.0839, 0.2427, 0.2982



68.0839, 0.3004, 0.2739



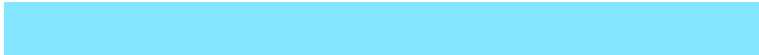
68.0839, 0.3882, 0.3524



68.0839, 0.3213, 0.3930

Rectangle

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



68.0839, 0.2427, 0.2982



68.0839, 0.2586, 0.2679



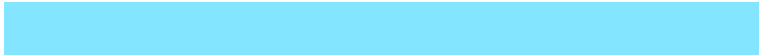
68.0839, 0.3882, 0.3524



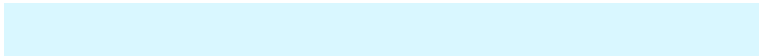
68.0839, 0.3675, 0.3926

Sweetspot

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



68.0865, 0.2427, 0.2982



88.4538, 0.2895, 0.3207



78.7191, 0.2942, 0.4534



18.6128, 0.2863, 0.3195



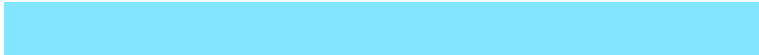
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



68.0865, 0.2427, 0.2982



63.6951, 0.2322, 0.2912



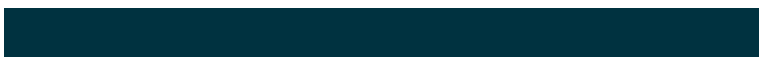
40.0786, 0.2280, 0.2206



19.7982, 0.2980, 0.3239



25.9832, 0.2056, 0.2601



2.6840, 0.2080, 0.2689

Inverse Universe

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



43.1143, 0.3418, 0.2321



37.1813, 0.3492, 0.2165



72.9090, 0.4018, 0.4165



18.2314, 0.3170, 0.3104



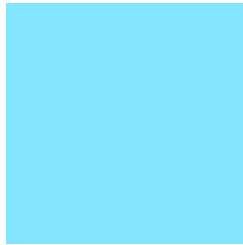
13.3510, 0.3823, 0.1880



1.3155, 0.3739, 0.1833

Previews

White Background



This preview shows how the Yxy color 68.0839, 0.2427, 0.2982 looks on a white background.

Color Contrast Check

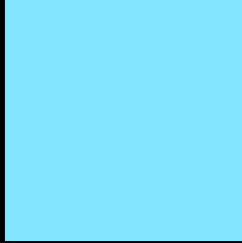
Large Text (above 18pt) WCAG AA × Fail

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 68.0839, 0.2427, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

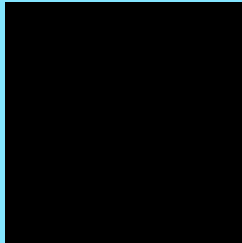
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0839, 0.2427, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 68.0839, 0.2427, 0.2982.

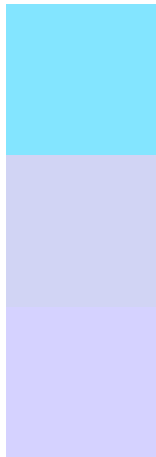


This preview shows how white text looks on a background with the Yxy color 68.0839, 0.2427, 0.2982.

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

68.0839, 0.2427, 0.2982

Protanopia

67.1739, 0.2897, 0.2941

Deuteranopia

67.4593, 0.2856, 0.2811



Tritanopia

68.1003, 0.2448, 0.3061

Trichromacy



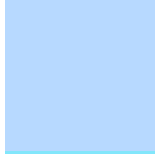
Original Color

68.0839, 0.2427, 0.2982



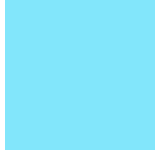
Protanomaly

66.7439, 0.2699, 0.2950



Deuteranomaly

66.9130, 0.2672, 0.2865



Tritanomaly

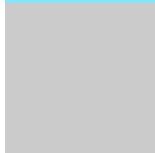
68.3045, 0.2443, 0.3039

Monochromacy



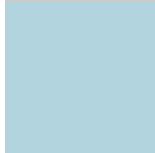
Original Color

68.0839, 0.2427, 0.2982



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.7080, 0.2818, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0839, 0.2427, 0.2982 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.0839, 0.2427, 0.2982 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, 229, 255) }
```

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

```
.border{ border-color:rgb(131, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 229, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 229, 255); box-shadow:4px 4px 4px 4px rgb(131, 229, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0839, 0.2427, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 229, 255) }
```

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

```
.background{ background-color: rgb(131,  
229, 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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