

Converting Colors

$Yxy(71.2834, 0.2188, 0.2707)$

Have a look what the booklet for
Yxy(71.2834, 0.2188, 0.2707)
contains.

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Color

Yxy(68.8103, 0.2300, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	5AEBFF
RGB	90, 235, 255
RGB Percent	35%, 92%, 100%
CMY	0.6478, 0.0783, 0.0001
CMYK	0.65, 0.08, 0.00, 0.00
HSL	187°, 100%, 68%
HSV	187°, 65%, 100%
XYZ	51.9579, 68.8103, 105.1356
YIQ	193.9250, -92.8400, -24.5200

Conversions

Conversions Part 2

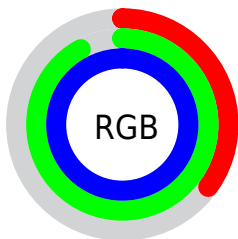
Format	Color
R _Y B	90, 167, 255
Decimal	5958655
CIE Lab	86.41, -32.59, -21.11
CIE LCh	86, 38.833, 212.929
Yxy	68.8103, 0.2300, 0.3046
Android (android.graphics.Color)	4284148735 (0xFF5AEBFF)
YUV	193.9250, 30.1100, -91.1422
Hunter-Lab	82.9520, -33.3605, -17.0794

Details

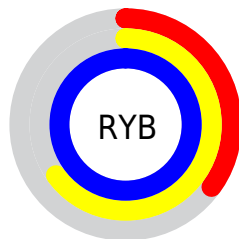
The Yxy color **68.8103, 0.2300, 0.3046** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **33.0936, 0.5109, 0.3477**, and the grayscale version is **53.7329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **36.3174, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **65.9998, 0.2231, 0.3003**, and if you desaturate by 10%, it is **72.0944, 0.2389, 0.3089**.

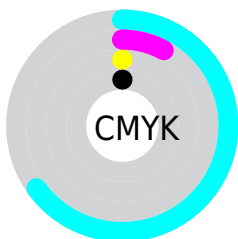
Distribution



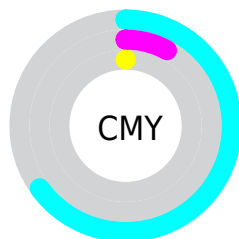
- Red (35%)
- Green (92%)
- Blue (100%)



- Red (35%)
- Yellow (65%)
- Blue (100%)



- Cyan (65%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8103, 0.2300, 0.3046 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 68.8103, 0.2300, 0.3046 by changing the saturation by 10% instead.

 68.8103, 0.2300,
0.3046

 68.8103, 0.2300,
0.3046


456.3616, 0.2673,
0.3172

 50.5572, 0.2218,
0.3015


 117.5106, 0.2427,
0.3092


 35.8564, 0.2118,
0.2975


 148.7266, 0.2477,
0.3109

 24.3233, 0.1995,
0.2922


 185.0324, 0.2521,
0.3124

 15.5736, 0.1839,
0.2850

 226.8123, 0.2559,
0.3136

 9.2229, 0.1636,
0.2748

274.4508, 0.2592,
0.3147

 4.8869, 0.1367,
0.2592

328.3323, 0.2622,

 2.1810, 0.1002,

0.3156

0.2339

388.8411, 0.2649,
0.3164

0.7096, 0.0000,
0.1964

0.0000, 0.0000,
0.0000

68.8103, 0.2300,
0.3046

68.8103, 0.2300,
0.3046

65.9998, 0.2231,
0.3003

72.0944, 0.2389,
0.3089

63.6081, 0.2181,
0.2960

75.8851, 0.2496,
0.3130

61.5796, 0.2149,
0.2918

80.2208, 0.2619,
0.3170

60.6220, 0.2138,
0.2896

85.1342, 0.2754,
0.3208

■ 90.6550, 0.2900,
0.3243

■ 96.8111, 0.3053,
0.3275

■ 99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



68.8103, 0.2533, 0.3512



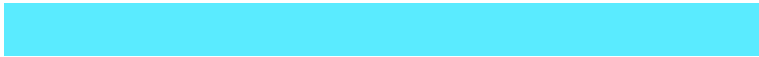
68.8103, 0.2300, 0.3046



68.8103, 0.2271, 0.2701

Triad

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



68.8103, 0.2300, 0.3046



68.8103, 0.3273, 0.2746



68.8103, 0.3819, 0.4073

Complementary

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



68.8103, 0.2300, 0.3046



33.0936, 0.5109, 0.3477

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.



68.8103, 0.4057, 0.3794



68.8103, 0.2300, 0.3046



68.8103, 0.3735, 0.3052

Square

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



68.8103, 0.2300, 0.3046



68.8103, 0.2801, 0.2562



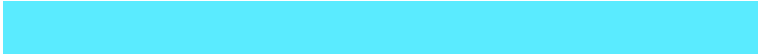
68.8103, 0.4031, 0.3425



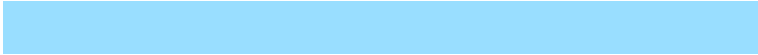
68.8103, 0.3404, 0.4148

Rectangle

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



68.8103, 0.2300, 0.3046



68.8103, 0.2366, 0.2572



68.8103, 0.4031, 0.3425



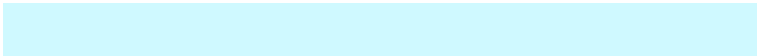
68.8103, 0.3924, 0.3997

Sweetspot

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



68.8129, 0.2300, 0.3046



88.2618, 0.2838, 0.3228



74.7792, 0.2963, 0.5187



18.5561, 0.2796, 0.3218



0.0000, 0.0000, 0.0000



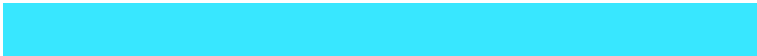
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8129, 0.2300, 0.3046



65.1956, 0.2212, 0.2989



32.2064, 0.2041, 0.1953



20.0846, 0.2980, 0.3260



31.8292, 0.2140, 0.2903



3.2002, 0.2153, 0.2951

Inverse Universe

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



34.5363, 0.3392, 0.1956



29.8656, 0.3454, 0.1807



59.5445, 0.4441, 0.4276



18.2603, 0.3157, 0.3084



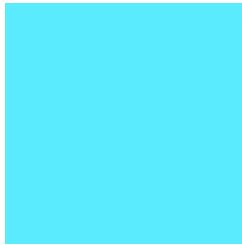
13.9411, 0.3540, 0.1724



1.3676, 0.3497, 0.1700

Previews

White Background



This preview shows how the Yxy color 68.8103, 0.2300, 0.3046 looks on a white background.

Color Contrast Check

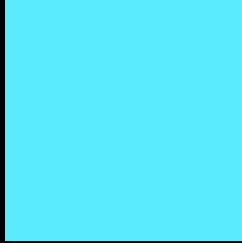
Large Text (above 18pt) WCAG AA × Fail

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 68.8103, 0.2300, 0.3046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

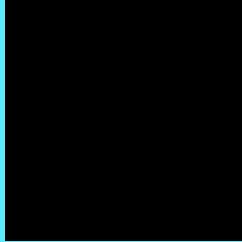
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8103, 0.2300, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 68.8103, 0.2300, 0.3046.

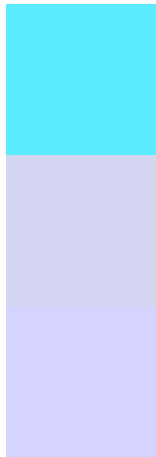


This preview shows how white text looks on a background with the Yxy color 68.8103, 0.2300, 0.3046.

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

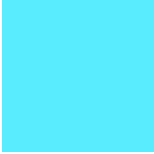
68.8103, 0.2300, 0.3046

Protanopia

67.7883, 0.2930, 0.2985

Deuteranopia

67.9547, 0.2856, 0.2822



Tritanopia

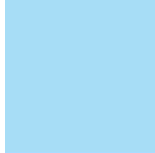
68.6963, 0.2301, 0.3057

Trichromacy



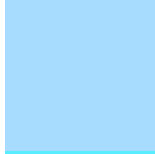
Original Color

68.8103, 0.2300, 0.3046



Protanomaly

66.5822, 0.2632, 0.3000



Deuteranomaly

66.7312, 0.2590, 0.2891



Tritanomaly

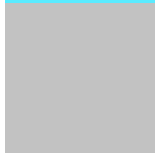
68.6963, 0.2301, 0.3057

Monochromacy



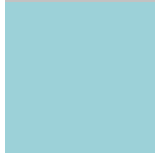
Original Color

68.8103, 0.2300, 0.3046



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

57.6267, 0.2716, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8103, 0.2300, 0.3046 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(90, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 235, 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(90, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.8103, 0.2300, 0.3046 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(90, 235, 255) }
```

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

```
.border{ border-color:rgb(90, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8103, 0.2300, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 235, 255) }
```

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

```
.background{ background-color: rgb(90, 235,  
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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