

Converting Colors

$Yxy(76.9934, 0.2018, 0.2090)$

Have a look what the booklet for
Yxy(76.9934, 0.2018, 0.2090)
contains.

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Color

Yxy(68.5620, 0.2343, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	6AE9FF
RGB	106, 233, 255
RGB Percent	42%, 91%, 100%
CMY	0.5848, 0.0862, 0.0000
CMYK	0.58, 0.09, 0.00, 0.00
HSL	189°, 100%, 71%
HSV	189°, 58%, 100%
XYZ	53.1219, 68.5620, 105.0422
YIQ	197.5350, -82.7540, -20.0820

Conversions

Conversions Part 2

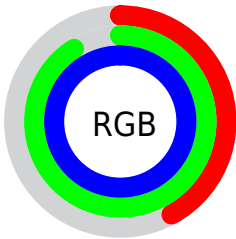
Format	Color
R_{YB}	106, 175, 255
Decimal	7006719
CIE Lab	86.29, -29.03, -21.26
CIE LCh	86, 35.986, 216.220
Yxy	68.5620, 0.2343, 0.3024
Android (android.graphics.Color)	4285196799 (0xFF6AE9FF)
YUV	197.5350, 28.3302, -80.2762
Hunter-Lab	82.8022, -30.3867, -17.2533

Details

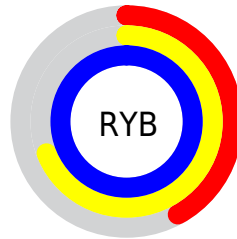
The Yxy color **68.5620, 0.2343, 0.3024** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.7019, 0.4798, 0.3510**, and the grayscale version is **56.0216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **35.6921, 0.2171, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **65.1235, 0.2258, 0.2971**, and if you desaturate by 10%, it is **72.5148, 0.2447, 0.3076**.

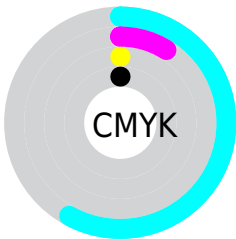
Distribution



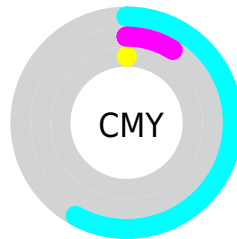
- Red (42%)
- Green (91%)
- Blue (100%)



- Red (42%)
- Yellow (69%)
- Blue (100%)



- Cyan (58%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5620, 0.2343, 0.3024 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 68.5620, 0.2343, 0.3024 by changing the saturation by 10% instead.

 68.5620, 0.2343,
0.3024


 68.5620, 0.2343,
0.3024


455.4846, 0.2697,
0.3158


 50.3551, 0.2265,
0.2991


 117.1558, 0.2464,
0.3073

 35.6956, 0.2169,
0.2949


 148.3114, 0.2512,
0.3091

 24.1992, 0.2051,
0.2894


 184.5521, 0.2553,
0.3107

 15.4815, 0.1901,
0.2820

226.2622, 0.2589,
0.3120

 9.1580, 0.1706,
0.2715

273.8261, 0.2621,
0.3131

 4.8444, 0.1444,
0.2557

327.6282, 0.2649,

 2.1562, 0.1084,

0.3142

388.0529, 0.2675,
0.3151

0.2302

0.6960, 0.0000,
0.1938

0.0000, 0.0000,
0.0000

68.5620, 0.2343,
0.3024

68.5620, 0.2343,
0.3024

65.1235, 0.2258,
0.2971

72.5148, 0.2447,
0.3076

62.1492, 0.2192,
0.2918

77.0123, 0.2567,
0.3125

59.5908, 0.2145,
0.2865

82.0908, 0.2701,
0.3173

57.3773, 0.2116,
0.2813

87.7811, 0.2845,
0.3217

■ 57.0559, 0.2113,
0.2805

■ 94.1119, 0.2996,
0.3258

100.0000, 0.3127,
0.3290

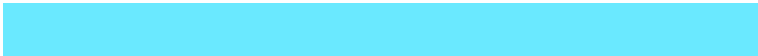
Harmonies

Analogous

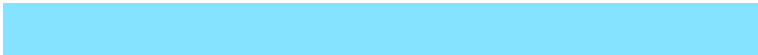
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.5620, 0.2543, 0.3448



68.5620, 0.2343, 0.3024



68.5620, 0.2336, 0.2718

Triad

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



68.5620, 0.2343, 0.3024



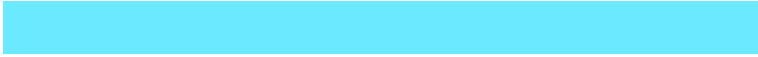
68.5620, 0.3314, 0.2809



68.5620, 0.3736, 0.4037

Complementary

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



68.5620, 0.2343, 0.3024



37.7019, 0.4798, 0.3510

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.



68.5620, 0.3978, 0.3798



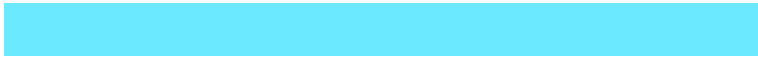
68.5620, 0.2343, 0.3024



68.5620, 0.3731, 0.3106

Square

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



68.5620, 0.2343, 0.3024



68.5620, 0.2870, 0.2621



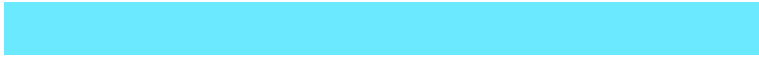
68.5620, 0.3980, 0.3459



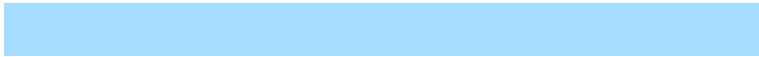
68.5620, 0.3339, 0.4075

Rectangle

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



68.5620, 0.2343, 0.3024



68.5620, 0.2439, 0.2608



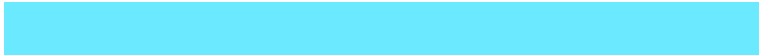
68.5620, 0.3980, 0.3459



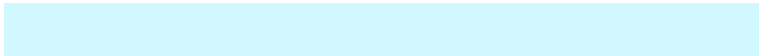
68.5620, 0.3839, 0.3975

Sweetspot

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



68.5644, 0.2343, 0.3024



88.0682, 0.2852, 0.3219



76.0774, 0.2961, 0.4957



18.4800, 0.2809, 0.3207



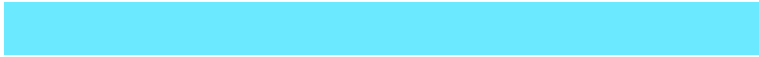
0.0000, 0.0000, 0.0000



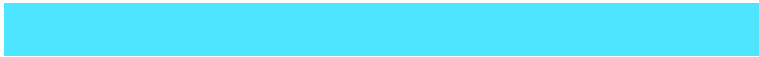
21.4041, 0.3127, 0.3290

Same Dimension

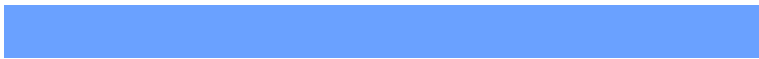
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5644, 0.2343, 0.3024



64.6415, 0.2246, 0.2963



35.6132, 0.2133, 0.2073



19.9981, 0.2980, 0.3254



29.9866, 0.2115, 0.2814



3.0385, 0.2132, 0.2874

Inverse Universe

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



37.4283, 0.3401, 0.2084



32.1376, 0.3468, 0.1923



63.7570, 0.4281, 0.4227



18.2516, 0.3161, 0.3090



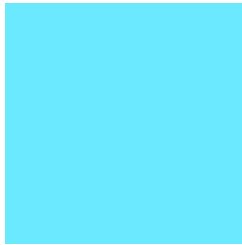
13.7551, 0.3622, 0.1769



1.3513, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 68.5620, 0.2343, 0.3024 looks on a white background.

Color Contrast Check

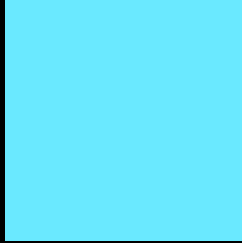
Large Text (above 18pt) WCAG AA × Fail

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 68.5620, 0.2343, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

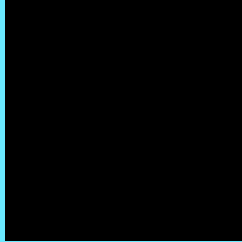
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5620, 0.2343, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 68.5620, 0.2343, 0.3024.

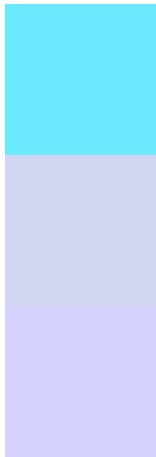


This preview shows how white text looks on a background with the Yxy color 68.5620, 0.2343, 0.3024.

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

68.5620, 0.2343, 0.3024

Protanopia

67.7009, 0.2916, 0.2974

Deuteranopia

67.4593, 0.2856, 0.2811



Tritanopia

68.3094, 0.2352, 0.3058

Trichromacy



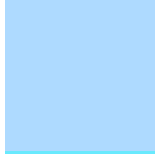
Original Color

68.5620, 0.2343, 0.3024



Protanomaly

66.6725, 0.2654, 0.2979



Deuteranomaly

66.3615, 0.2621, 0.2871



Tritanomaly

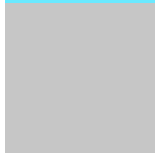
68.3729, 0.2348, 0.3047

Monochromacy



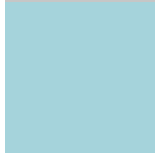
Original Color

68.5620, 0.2343, 0.3024



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.7023, 0.2757, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5620, 0.2343, 0.3024 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(106, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 233, 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(106, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5620, 0.2343, 0.3024 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(106, 233, 255) }
```

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

```
.border{ border-color:rgb(106, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 233,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.5620, 0.2343, 0.3024$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 233, 255) }
```

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

```
.background{ background-color: rgb(106,  
233, 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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