

Converting Colors

$Yxy(67.5485, 0.2337, 0.3002)$

Have a look what the booklet for
Yxy(67.5485, 0.2337, 0.3002)
contains.

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Color

Yxy(67.4360, 0.2338, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	6AE7FF
RGB	106, 231, 255
RGB Percent	42%, 91%, 100%
CMY	0.5842, 0.0941, 0.0000
CMYK	0.58, 0.09, 0.00, 0.00
HSL	190°, 100%, 71%
HSV	190°, 58%, 100%
XYZ	52.5726, 67.4360, 104.8530
YIQ	196.3610, -82.2040, -19.0360

Conversions

Conversions Part 2

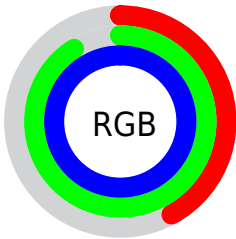
Format	Color
R_{YB}	106, 174, 255
Decimal	7006207
CIE _{Lab}	85.72, -28.03, -22.12
CIE _{LCh}	86, 35.704, 218.274
Yxy	67.4360, 0.2338, 0.2999
Android (android.graphics.Color)	4285196287 (0xFF6AE7FF)
YUV	196.3610, 28.9090, -79.2466
Hunter-Lab	82.1194, -29.4337, -18.2200

Details

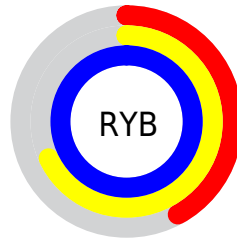
The Yxy color **67.4360, 0.2338, 0.2999** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.2776, 0.4781, 0.3531**, and the grayscale version is **55.2972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **34.9077, 0.2162, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **63.8279, 0.2251, 0.2941**, and if you desaturate by 10%, it is **71.5674, 0.2444, 0.3056**.

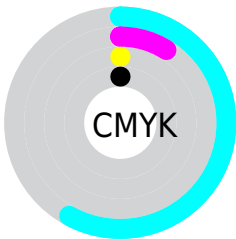
Distribution



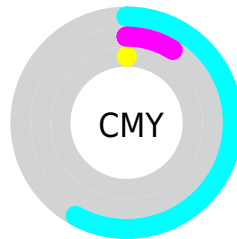
- Red (42%)
- Green (91%)
- Blue (100%)



- Red (42%)
- Yellow (68%)
- 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 67.4360, 0.2338, 0.2999 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 67.4360, 0.2338, 0.2999 by changing the saturation by 10% instead.

 67.4360, 0.2338,
0.2999

 67.4360, 0.2338,
0.2999


451.4951, 0.2696,
0.3145


 49.4390, 0.2259,
0.2963


 115.5449, 0.2460,
0.3052

 34.9679, 0.2162,
0.2918


 146.4257, 0.2508,
0.3072

 23.6381, 0.2043,
0.2858


 182.3698, 0.2550,
0.3089

 15.0654, 0.1891,
0.2778

223.7618, 0.2586,
0.3103

 8.8653, 0.1693,
0.2666

270.9858, 0.2618,
0.3116

 4.6534, 0.1427,
0.2497

324.4265, 0.2647,

 2.0454, 0.1063,

0.3127

0.2226

384.4681, 0.2673,
0.3137

■ 0.6336, 0.0000,
0.1805

■ 0.0000, 0.0000,
0.0000

■ 67.4360, 0.2338,
0.2999

■ 67.4360, 0.2338,
0.2999

■ 63.8279, 0.2251,
0.2941

■ 71.5674, 0.2444,
0.3056

■ 60.6928, 0.2183,
0.2883

■ 76.2523, 0.2565,
0.3110

■ 57.9824, 0.2134,
0.2824

■ 81.5272, 0.2700,
0.3162

■ 55.6261, 0.2104,
0.2767

■ 87.4231, 0.2845,
0.3211

■ 55.2700, 0.2100,
0.2758

■ 93.9686, 0.2997,
0.3255

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.



67.4360, 0.2525, 0.3418



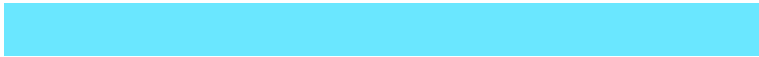
67.4360, 0.2338, 0.2999



67.4360, 0.2345, 0.2704

Triad

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



67.4360, 0.2338, 0.2999



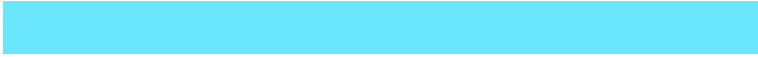
67.4360, 0.3344, 0.2827



67.4360, 0.3712, 0.4045

Complementary

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



67.4360, 0.2338, 0.2999



38.2776, 0.4781, 0.3531

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.



67.4360, 0.3966, 0.3817



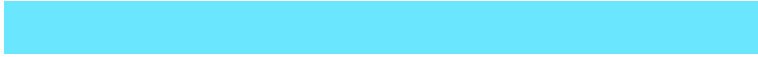
67.4360, 0.2338, 0.2999



67.4360, 0.3753, 0.3130

Square

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



67.4360, 0.2338, 0.2999



67.4360, 0.2899, 0.2631



67.4360, 0.3986, 0.3483



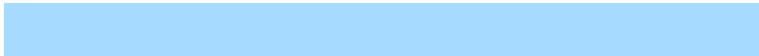
67.4360, 0.3309, 0.4066

Rectangle

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



67.4360, 0.2338, 0.2999



67.4360, 0.2456, 0.2603



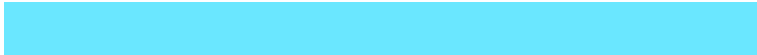
67.4360, 0.3986, 0.3483



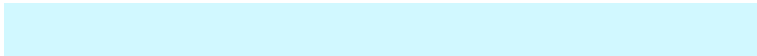
67.4360, 0.3818, 0.3988

Sweetspot

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



67.4385, 0.2338, 0.2999



87.6819, 0.2851, 0.3213



76.1553, 0.2951, 0.4925



18.3846, 0.2808, 0.3199



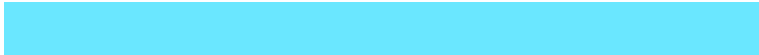
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



67.4385, 0.2338, 0.2999



63.3006, 0.2239, 0.2932



34.8007, 0.2127, 0.2041



19.9536, 0.2980, 0.3251



29.0657, 0.2102, 0.2768



2.9574, 0.2120, 0.2833

Inverse Universe

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



37.3460, 0.3421, 0.2101



32.0022, 0.3494, 0.1941



64.9493, 0.4263, 0.4249



18.2471, 0.3163, 0.3093



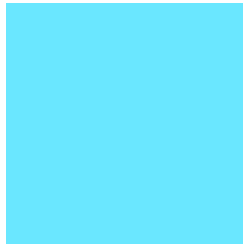
13.6622, 0.3665, 0.1793



1.3431, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 67.4360, 0.2338, 0.2999 looks on a white background.

Color Contrast Check

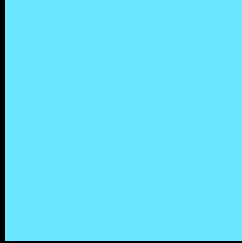
Large Text (above 18pt) WCAG AA × Fail

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 67.4360, 0.2338, 0.2999 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 67.4360, 0.2338, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 67.4360, 0.2338, 0.2999.

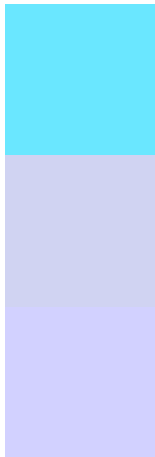


This preview shows how white text looks on a background with the Yxy color 67.4360, 0.2338, 0.2999.

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

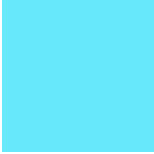
67.4360, 0.2338, 0.2999

Protanopia

66.4092, 0.2902, 0.2950

Deuteranopia

66.5226, 0.2835, 0.2797



Tritanopia

67.6213, 0.2350, 0.3057

Trichromacy



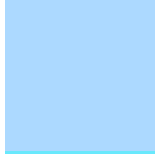
Original Color

67.4360, 0.2338, 0.2999



Protanomaly

65.5161, 0.2645, 0.2955



Deuteranomaly

65.6164, 0.2608, 0.2858



Tritanomaly

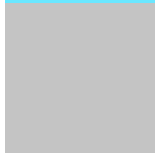
67.7448, 0.2349, 0.3046

Monochromacy



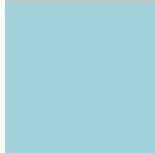
Original Color

67.4360, 0.2338, 0.2999



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.3972, 0.2754, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4360, 0.2338, 0.2999 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.4360, 0.2338, 0.2999 is called "border". The border property can be set on classes, ids or directly on the HTML element.

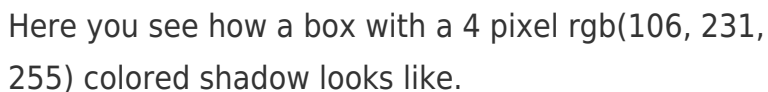
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 231, 255) }
```

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

```
.border{ border-color:rgb(106, 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(106, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4360, 0.2338, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 231, 255) }
```

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

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