

Converting Colors

Yxy(69.4448, 0.2297, 0.2649)

Have a look what the booklet for
Yxy(69.4448, 0.2297, 0.2649)
contains.

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Color

Yxy(67.4526, 0.2421, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	82E4FF
RGB	130, 228, 255
RGB Percent	51%, 89%, 100%
CMY	0.4901, 0.1059, 0.0000
CMYK	0.49, 0.11, 0.00, 0.00
HSL	193°, 100%, 75%
HSV	193°, 49%, 100%
XYZ	55.0026, 67.4526, 104.7344
YIQ	201.7760, -67.0750, -12.3790

Conversions

Conversions Part 2

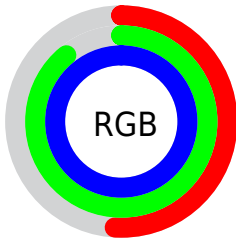
Format	Color
R_{YB}	130, 185, 255
Decimal	8578303
CIE _{Lab}	85.73, -21.84, -22.03
CIE _{LCh}	86, 31.017, 225.248
Yxy	67.4526, 0.2421, 0.2969
Android (android.graphics.Color)	4286768383 (0xFF82E4FF)
YUV	201.7760, 26.2394, -62.9476
Hunter-Lab	82.1295, -24.1842, -18.1180

Details

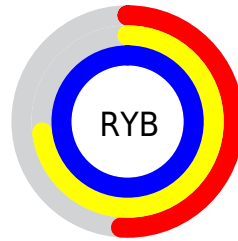
The Yxy color **67.4526, 0.2421, 0.2969** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.9955, 0.4360, 0.3574**, and the grayscale version is **58.7853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **34.8112, 0.2262, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **62.6982, 0.2309, 0.2891**, and if you desaturate by 10%, it is **72.8072, 0.2548, 0.3044**.

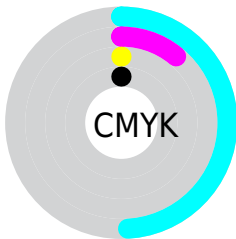
Distribution



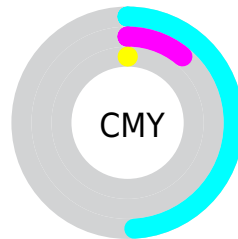
- Red (51%)
- Green (89%)
- Blue (100%)



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



- Cyan (49%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4526, 0.2421, 0.2969 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 67.4526, 0.2421, 0.2969 by changing the saturation by 10% instead.

 67.4526, 0.2421,
0.2969


 67.4526, 0.2421,
0.2969


451.5541, 0.2742,
0.3127

 49.4525, 0.2349,
0.2931


 115.5687, 0.2531,
0.3025

 34.9786, 0.2262,
0.2884


 146.4535, 0.2574,
0.3047

 23.6464, 0.2153,
0.2822


 182.4021, 0.2612,
0.3065

 15.0715, 0.2014,
0.2740

223.7987, 0.2644,
0.3081

 8.8696, 0.1832,
0.2625

271.0278, 0.2673,
0.3094

 4.6562, 0.1584,
0.2457

324.4738, 0.2699,

 2.0470, 0.1235,

0.3106

0.2189

384.5211, 0.2722,
0.3117

0.6346, 0.0196,
0.1777

0.0000, 0.0000,
0.0000

67.4526, 0.2421,
0.2969

67.4526, 0.2421,
0.2969

62.6982, 0.2309,
0.2891

72.8072, 0.2548,
0.3044

58.4995, 0.2215,
0.2812

78.7907, 0.2687,
0.3114

54.8147, 0.2140,
0.2731

85.4366, 0.2835,
0.3180

51.5920, 0.2086,
0.2651

92.7743, 0.2987,
0.3240

■ 48.7553, 0.2049,
0.2572

100.0000, 0.3127,
0.3290

■ 48.4858, 0.2046,
0.2564

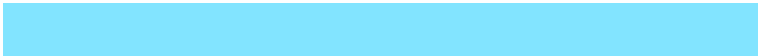
Harmonies

Analogous

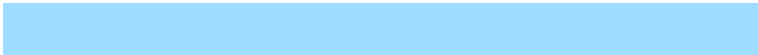
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.4526, 0.2549, 0.3315



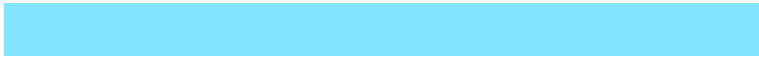
67.4526, 0.2421, 0.2969



67.4526, 0.2467, 0.2741

Triad

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



67.4526, 0.2421, 0.2969



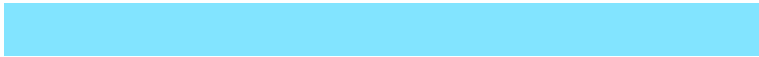
67.4526, 0.3407, 0.2940



67.4526, 0.3566, 0.3969

Complementary

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



67.4526, 0.2421, 0.2969



46.9955, 0.4360, 0.3574

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.



67.4526, 0.3823, 0.3812



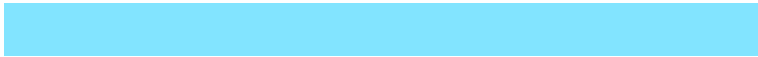
67.4526, 0.2421, 0.2969



67.4526, 0.3735, 0.3223

Square

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



67.4526, 0.2421, 0.2969



67.4526, 0.3017, 0.2740



67.4526, 0.3889, 0.3537



67.4526, 0.3200, 0.3929

Rectangle

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



67.4526, 0.2421, 0.2969



67.4526, 0.2591, 0.2674



67.4526, 0.3889, 0.3537



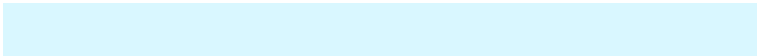
67.4526, 0.3668, 0.3935

Sweetspot

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



67.4546, 0.2421, 0.2969



88.2937, 0.2895, 0.3205



78.6352, 0.2941, 0.4544



18.5739, 0.2863, 0.3192



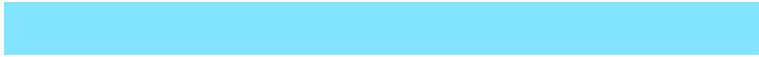
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



67.4546, 0.2421, 0.2969



62.7023, 0.2309, 0.2892



39.7958, 0.2274, 0.2198



19.7761, 0.2980, 0.3237



25.5632, 0.2049, 0.2577



2.6466, 0.2074, 0.2668

Inverse Universe

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



42.8338, 0.3429, 0.2323



36.5723, 0.3511, 0.2158



72.7604, 0.4025, 0.4171



18.2292, 0.3171, 0.3106



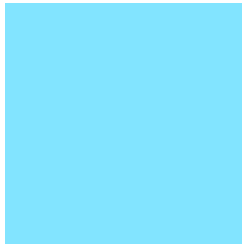
13.3086, 0.3846, 0.1892



1.3117, 0.3759, 0.1844

Previews

White Background



This preview shows how the Yxy color 67.4526, 0.2421, 0.2969 looks on a white background.

Color Contrast Check

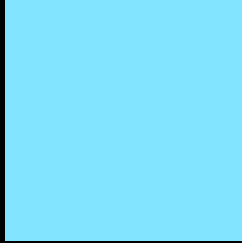
Large Text (above 18pt) WCAG AA × Fail

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 67.4526, 0.2421, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

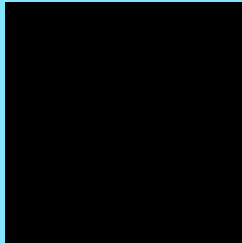
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.4526, 0.2421, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 67.4526, 0.2421, 0.2969.



This preview shows how white text looks on a background with the Yxy color 67.4526, 0.2421, 0.2969.

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

67.4526, 0.2421, 0.2969

Protanopia

66.5301, 0.2890, 0.2929

Deuteranopia

66.6698, 0.2842, 0.2798



Tritanopia

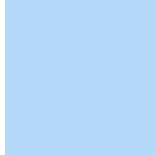
67.4051, 0.2446, 0.3060

Trichromacy



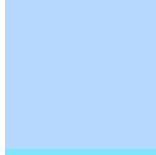
Original Color

67.4526, 0.2421, 0.2969



Protanomaly

66.1063, 0.2692, 0.2937



Deuteranomaly

66.2768, 0.2664, 0.2853



Tritanomaly

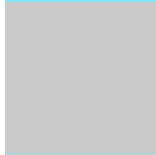
67.6708, 0.2437, 0.3026

Monochromacy



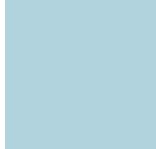
Original Color

67.4526, 0.2421, 0.2969



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.0391, 0.2816, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4526, 0.2421, 0.2969 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(130, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 228, 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(130, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.4526, 0.2421, 0.2969 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(130, 228, 255) }
```

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

```
.border{ border-color:rgb(130, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4526, 0.2421, 0.2969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 228, 255) }
```

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

```
.background{ background-color: rgb(130,  
228, 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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