

Converting Colors

$Yxy(67.8808, 0.2432, 0.2975)$

Have a look what the booklet for
Yxy(67.8808, 0.2432, 0.2975)
contains.

Yxy(67.6123, 0.2429, 0.2970)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.6123, 0.2429, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	84E4FF
RGB	132, 228, 255
RGB Percent	52%, 89%, 100%
CMY	0.4828, 0.1058, 0.0000
CMYK	0.48, 0.11, 0.00, 0.00
HSL	193°, 100%, 76%
HSV	193°, 48%, 100%
XYZ	55.2964, 67.6123, 104.7422
YIQ	202.3740, -65.8830, -11.9550

Conversions

Conversions Part 2

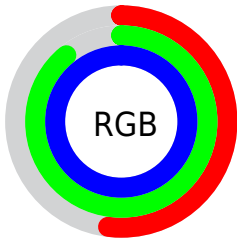
Format	Color
RYB	132, 186, 255
Decimal	8709375
CIELab	85.81, -21.44, -21.89
CIElCh	86, 30.645, 225.597
Yxy	67.6123, 0.2429, 0.2970
Android (android.graphics.Color)	4286899455 (0xFF84E4FF)
YUV	202.3740, 25.9446, -61.7180
Hunter-Lab	82.2267, -23.8578, -17.9662

Details

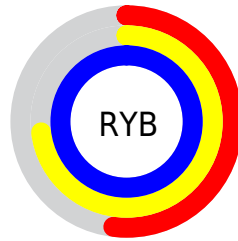
The Yxy color **67.6123, 0.2429, 0.2970** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.6774, 0.4331, 0.3574**, and the grayscale version is **59.1610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **34.9219, 0.2273, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **62.7803, 0.2316, 0.2891**, and if you desaturate by 10%, it is **73.0511, 0.2557, 0.3045**.

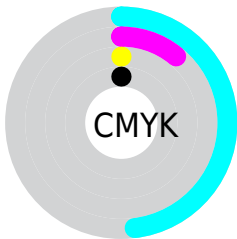
Distribution



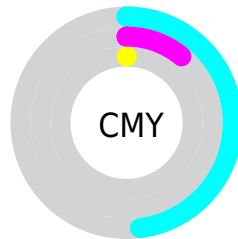
- Red (52%)
- Green (89%)
- Blue (100%)



- Red (52%)
- Yellow (73%)
- Blue (100%)



- Cyan (48%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6123, 0.2429, 0.2970 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 67.6123, 0.2429, 0.2970 by changing the saturation by 10% instead.


 67.6123, 0.2429,
0.2970


 67.6123, 0.2429,
0.2970

452.1212, 0.2747,
0.3127


 49.5824, 0.2358,
0.2932


 115.7973, 0.2538,
0.3026

 35.0817, 0.2272,
0.2885


 146.7213, 0.2581,
0.3047

 23.7258, 0.2164,
0.2824


 182.7120, 0.2618,
0.3065

 15.1304, 0.2027,
0.2743

224.1538, 0.2650,
0.3081

 8.9109, 0.1846,
0.2629

271.4313, 0.2678,
0.3095

 4.6831, 0.1600,
0.2461

324.9288, 0.2704,

 2.0626, 0.1253,

0.3107

385.0306, 0.2726,
0.3117

0.2196

0.6434, 0.0245,
0.1788

0.0000, 0.0000,
0.0000

67.6123, 0.2429,
0.2970

67.6123, 0.2429,
0.2970

62.7803, 0.2316,
0.2891

73.0511, 0.2557,
0.3045

58.5091, 0.2220,
0.2810

79.1233, 0.2697,
0.3117

54.7579, 0.2143,
0.2729

85.8630, 0.2846,
0.3183

51.4757, 0.2087,
0.2647

93.2995, 0.2999,
0.3244

■ 48.5920, 0.2048,
0.2567

100.0000, 0.3127,
0.3290

■ 48.1182, 0.2043,
0.2553

Harmonies

Analogous

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



67.6123, 0.2553, 0.3310



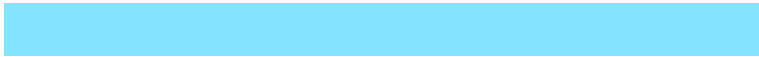
67.6123, 0.2429, 0.2970



67.6123, 0.2476, 0.2746

Triad

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



67.6123, 0.2429, 0.2970



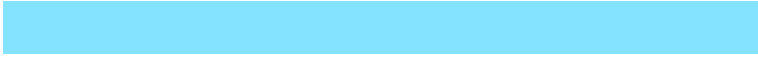
67.6123, 0.3408, 0.2947



67.6123, 0.3557, 0.3961

Complementary

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



67.6123, 0.2429, 0.2970



47.6774, 0.4331, 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.



67.6123, 0.3812, 0.3809



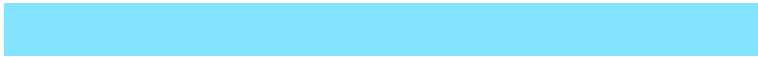
67.6123, 0.2429, 0.2970



67.6123, 0.3730, 0.3228

Square

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



67.6123, 0.2429, 0.2970



67.6123, 0.3023, 0.2748



67.6123, 0.3880, 0.3538



67.6123, 0.3195, 0.3919

Rectangle

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



67.6123, 0.2429, 0.2970



67.6123, 0.2600, 0.2680



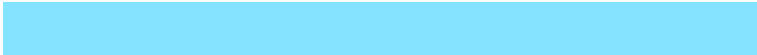
67.6123, 0.3880, 0.3538



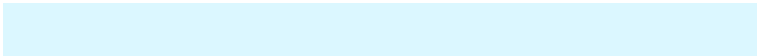
67.6123, 0.3658, 0.3929

Sweetspot

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



67.6149, 0.2429, 0.2970



88.9557, 0.2911, 0.3210



78.9053, 0.2933, 0.4496



18.7027, 0.2878, 0.3196



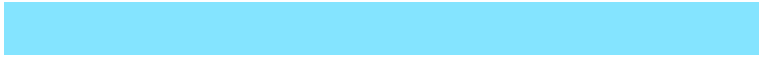
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



67.6149, 0.2429, 0.2970



62.9058, 0.2318, 0.2894



39.6731, 0.2282, 0.2191



19.7661, 0.2980, 0.3237



25.3733, 0.2046, 0.2566



2.6296, 0.2072, 0.2658

Inverse Universe

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



43.3374, 0.3427, 0.2339



37.1016, 0.3508, 0.2177



74.1729, 0.4000, 0.4177



18.2282, 0.3172, 0.3106



13.2894, 0.3857, 0.1898



1.3100, 0.3768, 0.1849

Previews

White Background



This preview shows how the Yxy color 67.6123, 0.2429, 0.2970 looks on a white background.

Color Contrast Check

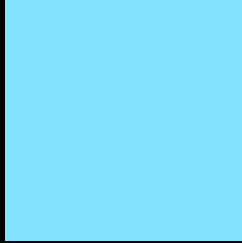
Large Text (above 18pt) WCAG AA × Fail

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 67.6123, 0.2429, 0.2970 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 67.6123, 0.2429, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 67.6123, 0.2429, 0.2970.

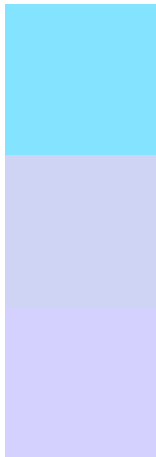


This preview shows how white text looks on a background with the Yxy color 67.6123, 0.2429, 0.2970.

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

67.6123, 0.2429, 0.2970

Protanopia

67.0285, 0.2890, 0.2940

Deuteranopia

66.8180, 0.2848, 0.2799



Tritanopia

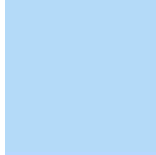
67.5618, 0.2454, 0.3061

Trichromacy



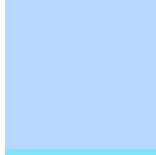
Original Color

67.6123, 0.2429, 0.2970



Protanomaly

66.6234, 0.2693, 0.2949



Deuteranomaly

66.3990, 0.2670, 0.2854



Tritanomaly

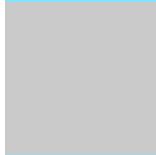
67.8290, 0.2445, 0.3027

Monochromacy



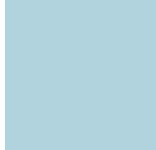
Original Color

67.6123, 0.2429, 0.2970



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.1561, 0.2823, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6123, 0.2429, 0.2970 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(132, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.6123, 0.2429, 0.2970 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(132, 228, 255) }
```

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

```
.border{ border-color:rgb(132, 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(132, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6123, 0.2429, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 228, 255) }
```

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

```
.background{ background-color: rgb(132,  
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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