

Converting Colors

$Yxy(70.3053, 0.2375, 0.2851)$

Have a look what the booklet for
Yxy(70.3053, 0.2375, 0.2851)
contains.

Yxy(69.2774, 0.2436, 0.3006)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.2774, 0.2436, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	84E7FF
RGB	132, 231, 255
RGB Percent	52%, 91%, 100%
CMY	0.4825, 0.0941, 0.0000
CMYK	0.48, 0.09, 0.00, 0.00
HSL	192°, 100%, 76%
HSV	192°, 48%, 100%
XYZ	56.1410, 69.2774, 105.0454
YIQ	204.1350, -66.7080, -13.5240

Conversions

Conversions Part 2

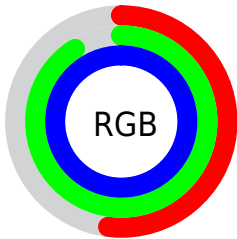
Format	Color
RYB	132, 187, 255
Decimal	8710143
CIELab	86.64, -22.90, -20.65
CIELCh	87, 30.839, 222.047
Yxy	69.2774, 0.2436, 0.3006
Android (android.graphics.Color)	4286900223 (0xFF84E7FF)
YUV	204.1350, 25.0764, -63.2624
Hunter-Lab	83.2330, -25.2590, -16.5646

Details

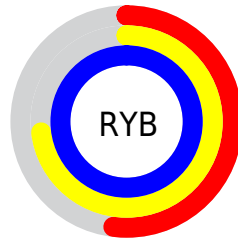
The Yxy color **69.2774, 0.2436, 0.3006** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.6890, 0.4347, 0.3543**, and the grayscale version is **60.3387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **36.0393, 0.2281, 0.2930** is the 20% darker color. If you saturate the color by 10%, you get **64.7235, 0.2326, 0.2937**, and if you desaturate by 10%, it is **74.4140, 0.2562, 0.3073**.

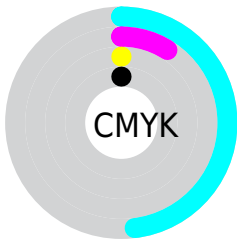
Distribution



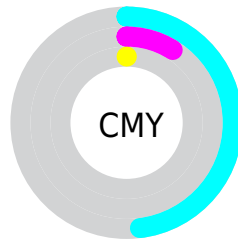
- Red (52%)
- Green (91%)
- Blue (100%)



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



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.2774, 0.2436, 0.3006 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 69.2774, 0.2436, 0.3006 by changing the saturation by 10% instead.


 69.2774, 0.2436,
0.3006


 69.2774, 0.2436,
0.3006


458.0087, 0.2749,
0.3146


 50.9377, 0.2366,
0.2972

 118.1777, 0.2543,
0.3056

 36.1590, 0.2282,
0.2930


 149.5070, 0.2585,
0.3075

 24.5570, 0.2176,
0.2875


 185.9350, 0.2622,
0.3091

 15.7473, 0.2041,
0.2802

227.8461, 0.2654,
0.3105

 9.3455, 0.1864,
0.2699

275.6246, 0.2682,
0.3117

 4.9672, 0.1624,
0.2547

329.6549, 0.2707,

 2.2281, 0.1285,

0.3128

390.3215, 0.2729,
0.3137

0.2305

0.7352, 0.0371,
0.1950

0.0000, 0.0000,
0.0000

69.2774, 0.2436,
0.3006

69.2774, 0.2436,
0.3006

64.7235, 0.2326,
0.2937

74.4140, 0.2562,
0.3073

60.7124, 0.2233,
0.2866

80.1655, 0.2700,
0.3136

57.2017, 0.2160,
0.2794

86.5637, 0.2847,
0.3195

54.1406, 0.2107,
0.2722

93.6376, 0.2999,
0.3249

■ 51.4592, 0.2072,
0.2651

100.0000, 0.3127,
0.3290

■ 51.0117, 0.2066,
0.2639

Harmonies

Analogous

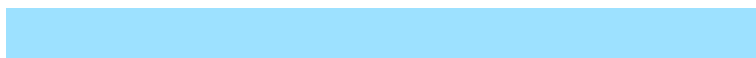
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2774, 0.2580, 0.3355



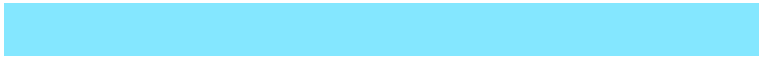
69.2774, 0.2436, 0.3006



69.2774, 0.2463, 0.2766

Triad

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



69.2774, 0.2436, 0.3006



69.2774, 0.3363, 0.2919



69.2774, 0.3593, 0.3951

Complementary

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



69.2774, 0.2436, 0.3006



46.6890, 0.4347, 0.3543

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.



69.2774, 0.3830, 0.3780



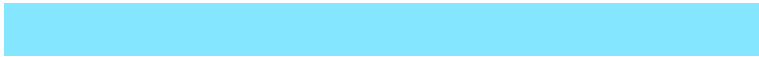
69.2774, 0.2436, 0.3006



69.2774, 0.3698, 0.3192

Square

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



69.2774, 0.2436, 0.3006



69.2774, 0.2979, 0.2733



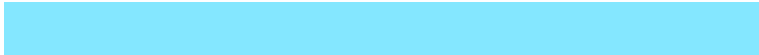
69.2774, 0.3872, 0.3501



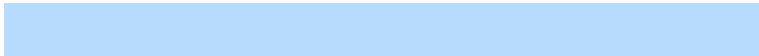
69.2774, 0.3240, 0.3934

Rectangle

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



69.2774, 0.2436, 0.3006



69.2774, 0.2574, 0.2688



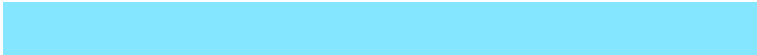
69.2774, 0.3872, 0.3501



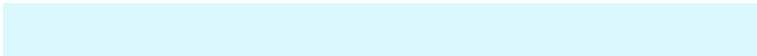
69.2774, 0.3690, 0.3911

Sweetspot

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



69.2781, 0.2436, 0.3006



89.4847, 0.2911, 0.3219



78.7735, 0.2953, 0.4547



18.8326, 0.2878, 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.



69.2781, 0.2436, 0.3006



64.8298, 0.2328, 0.2939



41.2214, 0.2293, 0.2244



19.8439, 0.2980, 0.3243



26.8680, 0.2070, 0.2651



2.7628, 0.2092, 0.2732

Inverse Universe

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



43.5235, 0.3398, 0.2314



37.2958, 0.3470, 0.2148



72.0571, 0.4020, 0.4140



18.2361, 0.3168, 0.3101



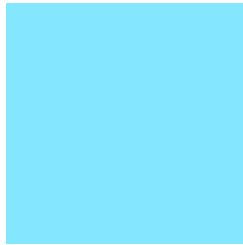
13.4403, 0.3775, 0.1853



1.3235, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 69.2774, 0.2436, 0.3006 looks on a white background.

Color Contrast Check

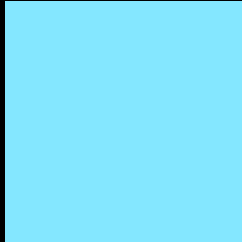
Large Text (above 18pt) WCAG AA × Fail

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 69.2774, 0.2436, 0.3006 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 69.2774, 0.2436, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 69.2774, 0.2436, 0.3006.

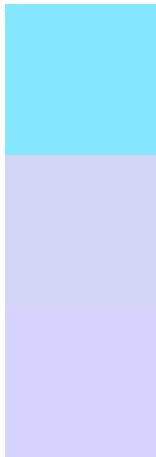


This preview shows how white text looks on a background with the Yxy color 69.2774, 0.2436, 0.3006.

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

69.2774, 0.2436, 0.3006

Protanopia

68.4737, 0.2911, 0.2965

Deuteranopia

68.2556, 0.2869, 0.2823



Tritanopia

69.4406, 0.2456, 0.3075

Trichromacy



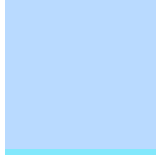
Original Color

69.2774, 0.2436, 0.3006



Protanomaly

67.9088, 0.2707, 0.2973



Deuteranomaly

67.6771, 0.2685, 0.2878



Tritanomaly

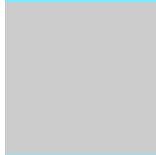
69.5668, 0.2447, 0.3052

Monochromacy



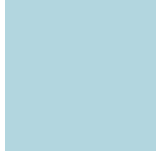
Original Color

69.2774, 0.2436, 0.3006



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.8858, 0.2820, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2774, 0.2436, 0.3006 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.2774, 0.2436, 0.3006 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, 231, 255) }
```

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

```
.border{ border-color:rgb(132, 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(132, 231, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2774, 0.2436, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 231, 255) }
```

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

```
.background{ background-color: rgb(132,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor