

Converting Colors

$Yxy(71.9429, 0.2360, 0.2727)$

Have a look what the booklet for
Yxy(71.9429, 0.2360, 0.2727)
contains.

Yxy(70.0345, 0.2475, 0.3009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.0345, 0.2475, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	8DE7FF
RGB	141, 231, 255
RGB Percent	55%, 91%, 100%
CMY	0.4473, 0.0941, 0.0000
CMYK	0.45, 0.09, 0.00, 0.00
HSL	193°, 100%, 78%
HSV	193°, 45%, 100%
XYZ	57.6056, 70.0345, 105.1099
YIQ	206.8260, -61.3440, -11.6160

Conversions

Conversions Part 2

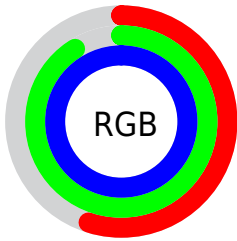
Format	Color
RYB	141, 191, 255
Decimal	9299967
CIELab	87.01, -20.89, -20.05
CIELCh	87, 28.957, 223.828
Yxy	70.0345, 0.2475, 0.3009
Android (android.graphics.Color)	4287490047 (0xFF8DE7FF)
YUV	206.8260, 23.7498, -57.7294
Hunter-Lab	83.6866, -23.5812, -15.8873

Details

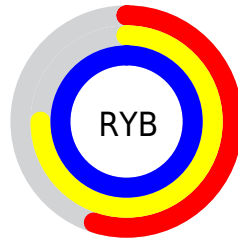
The Yxy color **70.0345, 0.2475, 0.3009** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.0672, 0.4211, 0.3544**, and the grayscale version is **62.1451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **36.5310, 0.2330, 0.2935** is the 20% darker color. If you saturate the color by 10%, you get **65.0961, 0.2357, 0.2935**, and if you desaturate by 10%, it is **75.5815, 0.2607, 0.3080**.

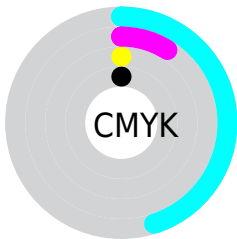
Distribution



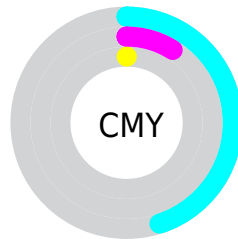
- Red (55%)
- Green (91%)
- Blue (100%)



- Red (55%)
- Yellow (75%)
- Blue (100%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0345, 0.2475, 0.3009 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 70.0345, 0.2475, 0.3009 by changing the saturation by 10% instead.

 70.0345, 0.2475,
0.3009

 70.0345, 0.2475,
0.3009

460.6711, 0.2771,
0.3146

 51.5547, 0.2409,
0.2976


 119.2580, 0.2576,
0.3058

 36.6502, 0.2329,
0.2935

 150.7704, 0.2616,
0.3076

 24.9368, 0.2229,
0.2882


187.3957, 0.2650,
0.3092

 16.0300, 0.2101,
0.2811

229.5185, 0.2681,
0.3106

 9.5454, 0.1934,
0.2712

277.5230, 0.2707,
0.3118

 5.0986, 0.1704,
0.2566

331.7937, 0.2731,

 2.3052, 0.1378,

0.3129

392.7149, 0.2752,
0.3138

0.2335

0.7765, 0.0584,
0.1988

0.0000, 0.0000,
0.0000

70.0345, 0.2475,
0.3009

70.0345, 0.2475,
0.3009

65.0961, 0.2357,
0.2935

75.5815, 0.2607,
0.3080

60.7264, 0.2256,
0.2858

81.7671, 0.2750,
0.3147

56.8854, 0.2174,
0.2780

88.6228, 0.2900,
0.3209

53.5251, 0.2111,
0.2702

96.1772, 0.3054,
0.3265

■ 50.5870, 0.2068,
0.2625

100.0000, 0.3127,
0.3290

■ 49.1644, 0.2051,
0.2585

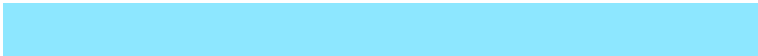
Harmonies

Analogous

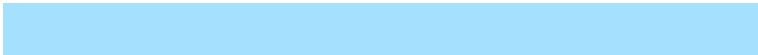
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0345, 0.2602, 0.3331



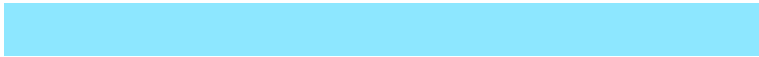
70.0345, 0.2475, 0.3009



70.0345, 0.2510, 0.2790

Triad

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



70.0345, 0.2475, 0.3009



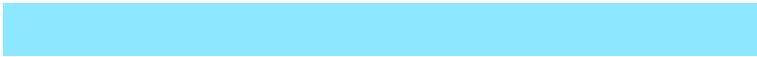
70.0345, 0.3370, 0.2955



70.0345, 0.3547, 0.3912

Complementary

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



70.0345, 0.2475, 0.3009



50.0672, 0.4211, 0.3544

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.



70.0345, 0.3776, 0.3764



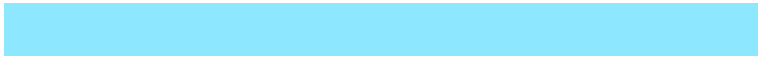
70.0345, 0.2475, 0.3009



70.0345, 0.3675, 0.3216

Square

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



70.0345, 0.2475, 0.3009



70.0345, 0.3010, 0.2774



70.0345, 0.3827, 0.3507



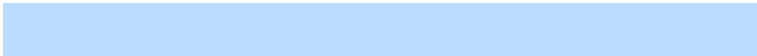
70.0345, 0.3213, 0.3883

Rectangle

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



70.0345, 0.2475, 0.3009



70.0345, 0.2621, 0.2722



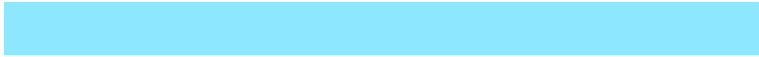
70.0345, 0.3827, 0.3507



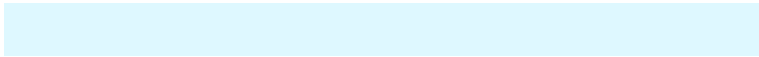
70.0345, 0.3640, 0.3880

Sweetspot

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



70.0355, 0.2475, 0.3009



89.8777, 0.2926, 0.3219



79.8492, 0.2953, 0.4415



18.8953, 0.2892, 0.3206



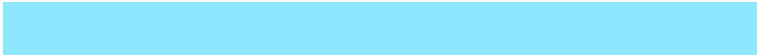
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



70.0355, 0.2475, 0.3009



65.4361, 0.2365, 0.2941



43.6000, 0.2353, 0.2311



19.7946, 0.2980, 0.3239



25.9139, 0.2055, 0.2597



2.6779, 0.2079, 0.2685

Inverse Universe

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



46.0630, 0.3389, 0.2395



39.5457, 0.3461, 0.2231



74.7797, 0.3938, 0.4099



18.2311, 0.3170, 0.3104



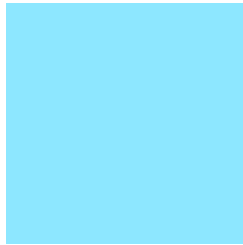
13.3440, 0.3827, 0.1882



1.3149, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 70.0345, 0.2475, 0.3009 looks on a white background.

Color Contrast Check

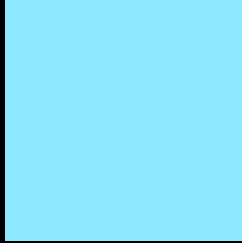
Large Text (above 18pt) WCAG AA × Fail

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 70.0345, 0.2475, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

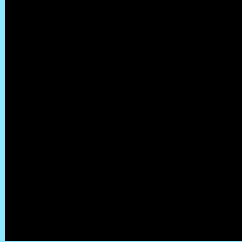
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0345, 0.2475, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 70.0345, 0.2475, 0.3009.



This preview shows how white text looks on a background with the Yxy color 70.0345, 0.2475, 0.3009.

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

70.0345, 0.2475, 0.3009

Protanopia

69.1905, 0.2912, 0.2966

Deuteranopia

69.0587, 0.2883, 0.2836



Tritanopia

70.1908, 0.2496, 0.3077

Trichromacy



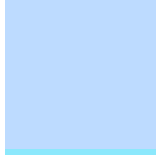
Original Color

70.0345, 0.2475, 0.3009



Protanomaly

68.9916, 0.2727, 0.2976



Deuteranomaly

68.7019, 0.2710, 0.2892



Tritanomaly

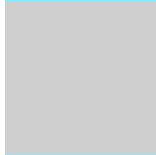
70.3169, 0.2487, 0.3054

Monochromacy



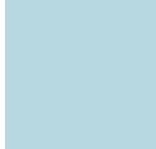
Original Color

70.0345, 0.2475, 0.3009



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.5608, 0.2848, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0345, 0.2475, 0.3009 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(141, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0345, 0.2475, 0.3009 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(141, 231, 255) }
```

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

```
.border{ border-color:rgb(141, 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(141, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 231, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 231, 255); box-shadow:4px 4px 4px 4px rgb(141, 231, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0345, 0.2475, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 231, 255) }
```

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

```
.background{ background-color: rgb(141,  
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