

Converting Colors

$Y_{xy}(74.1156, 0.2406, 0.2667)$

Have a look what the booklet for
Yxy(74.1156, 0.2406, 0.2667)
contains.

Yxy(71.7428, 0.2561, 0.3016)	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(71.7428, 0.2561, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	9FE7FF
RGB	159, 231, 255
RGB Percent	62%, 91%, 100%
CMY	0.3764, 0.0941, 0.0001
CMYK	0.38, 0.09, 0.00, 0.00
HSL	195°, 100%, 81%
HSV	195°, 38%, 100%
XYZ	60.9195, 71.7428, 105.2117
YIQ	212.2080, -50.6160, -7.8000

Conversions

Conversions Part 2

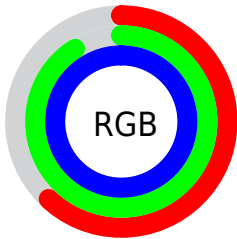
Format	Color
R_{YB}	159, 200, 255
Decimal	10479615
CIE _{Lab}	87.84, -16.51, -18.68
CIE _{LCh}	88, 24.932, 228.538
Yxy	71.7428, 0.2561, 0.3016
Android (android.graphics.Color)	4288669695 (0xFF9FE7FF)
YUV	212.2080, 21.0965, -46.6634
Hunter-Lab	84.7011, -19.8445, -14.3564

Details

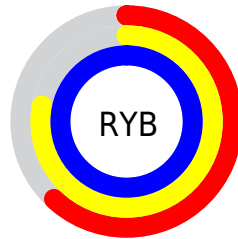
The Yxy color **71.7428, 0.2561, 0.3016** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.6078, 0.3963, 0.3544**, and the grayscale version is **65.8675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **37.6207, 0.2435, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **65.9035, 0.2428, 0.2930**, and if you desaturate by 10%, it is **78.2549, 0.2704, 0.3097**.

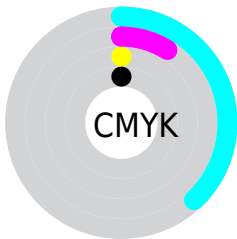
Distribution



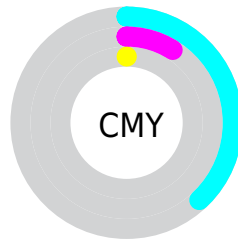
- Red (62%)
- Green (91%)
- Blue (100%)



- Red (62%)
- Yellow (78%)
- Blue (100%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7428, 0.2561, 0.3016 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 71.7428, 0.2561, 0.3016 by changing the saturation by 10% instead.


 71.7428, 0.2561,
0.3016

 71.7428, 0.2561,
0.3016


466.6459, 0.2818,
0.3148

 52.9486, 0.2504,
0.2985

 121.6908, 0.2649,
0.3062

 37.7617, 0.2434,
0.2946

 153.6134, 0.2683,
0.3080

 25.7978, 0.2347,
0.2897


190.6809, 0.2713,
0.3096

 16.6724, 0.2235,
0.2831

233.2777, 0.2740,
0.3109

 10.0012, 0.2087,
0.2740

281.7882, 0.2763,
0.3120

 5.3998, 0.1884,
0.2608

336.5968, 0.2783,

 2.4837, 0.1590,

0.3130

0.2399

398.0879, 0.2801,
0.3139

0.8685, 0.1006,
0.2067

0.0000, 0.0000,
0.0000

71.7428, 0.2561,
0.3016

71.7428, 0.2561,
0.3016

65.9035, 0.2428,
0.2930

78.2549, 0.2704,
0.3097

60.6938, 0.2310,
0.2839

85.4630, 0.2855,
0.3173

56.0783, 0.2208,
0.2746

93.3996, 0.3009,
0.3242

52.0134, 0.2126,
0.2652

99.9976, 0.3127,
0.3290

■ 48.4483, 0.2064,
0.2558

■ 45.3160, 0.2021,
0.2465

■ 44.6157, 0.2012,
0.2443

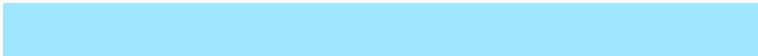
Harmonies

Analogous

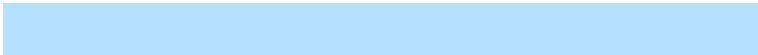
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7428, 0.2650, 0.3281



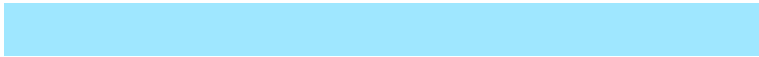
71.7428, 0.2561, 0.3016



71.7428, 0.2613, 0.2843

Triad

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



71.7428, 0.2561, 0.3016



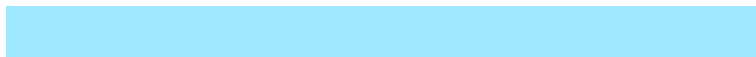
71.7428, 0.3382, 0.3033



71.7428, 0.3448, 0.3827

Complementary

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



71.7428, 0.2561, 0.3016



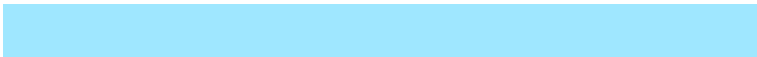
57.6078, 0.3963, 0.3544

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.



71.7428, 0.3661, 0.3726



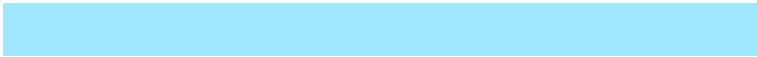
71.7428, 0.2561, 0.3016



71.7428, 0.3625, 0.3268

Square

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



71.7428, 0.2561, 0.3016



71.7428, 0.3076, 0.2863



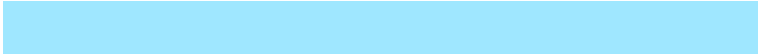
71.7428, 0.3728, 0.3519



71.7428, 0.3155, 0.3772

Rectangle

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



71.7428, 0.2561, 0.3016



71.7428, 0.2723, 0.2795



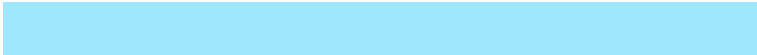
71.7428, 0.3728, 0.3519



71.7428, 0.3531, 0.3809

Sweetspot

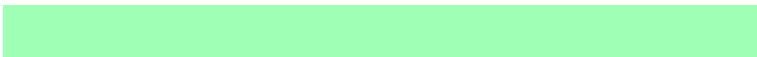
The Sweet Spot groups the original color and five complimentary colors.



71.7456, 0.2561, 0.3016



90.6760, 0.2957, 0.3219



82.2203, 0.2960, 0.4166



19.1760, 0.2936, 0.3210



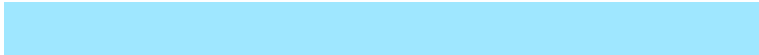
0.0000, 0.0000, 0.0000



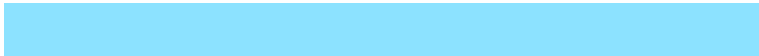
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7456, 0.2561, 0.3016



67.4023, 0.2462, 0.2953



49.1184, 0.2478, 0.2454



19.6682, 0.2980, 0.3229



23.5697, 0.2016, 0.2459



2.4678, 0.2046, 0.2565

Inverse Universe

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



51.8219, 0.3371, 0.2567



45.5997, 0.3434, 0.2430



80.0025, 0.3783, 0.4003



18.2183, 0.3176, 0.3113



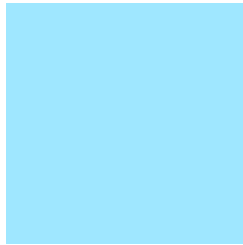
13.1073, 0.3964, 0.1957



1.2937, 0.3858, 0.1899

Previews

White Background



This preview shows how the Yxy color 71.7428, 0.2561, 0.3016 looks on a white background.

Color Contrast Check

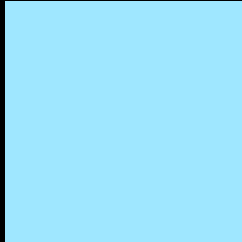
Large Text (above 18pt) WCAG AA × Fail

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 71.7428, 0.2561, 0.3016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

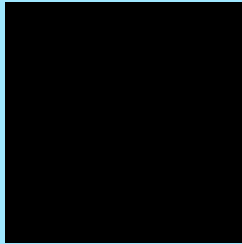
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7428, 0.2561, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 71.7428, 0.2561, 0.3016.

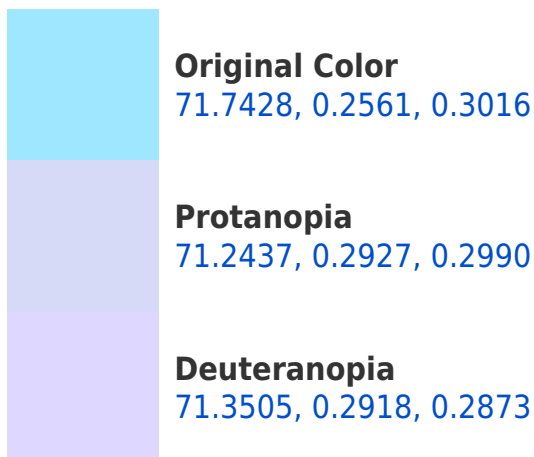


This preview shows how white text looks on a background with the Yxy color 71.7428, 0.2561, 0.3016.

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

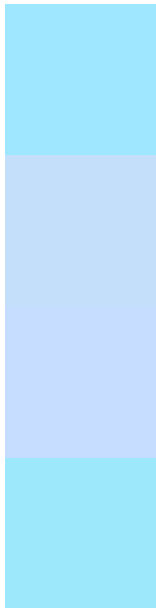




Tritanopia

71.8845, 0.2582, 0.3082

Trichromacy



Original Color

71.7428, 0.2561, 0.3016

Protanomaly

71.2170, 0.2783, 0.3004

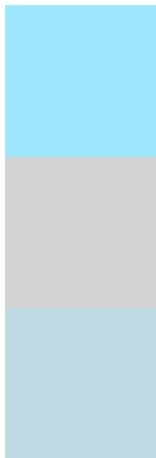
Deuteranomaly

71.0750, 0.2773, 0.2921

Tritanomaly

72.0106, 0.2572, 0.3060

Monochromacy



Original Color

71.7428, 0.2561, 0.3016

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.6019, 0.2891, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7428, 0.2561, 0.3016 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(159, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 231, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.7428, 0.2561, 0.3016 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(159, 231, 255) }
```

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

```
.border{ border-color:rgb(159, 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(159, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 231,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7428, 0.2561, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 231, 255) }
```

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

```
.background{ background-color: rgb(159,  
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