

Converting Colors

$Yxy(72.7861, 0.2511, 0.2849)$

Have a look what the booklet for
Yxy(72.7861, 0.2511, 0.2849)
contains.

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Color

Yxy(71.7061, 0.2585, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	A4E6FF
RGB	164, 230, 255
RGB Percent	64%, 90%, 100%
CMY	0.3566, 0.0981, 0.0001
CMYK	0.36, 0.10, 0.00, 0.00
HSL	196°, 100%, 82%
HSV	196°, 36%, 100%
XYZ	61.6634, 71.7061, 105.1737
YIQ	213.1160, -47.3610, -6.2170

Conversions

Conversions Part 2

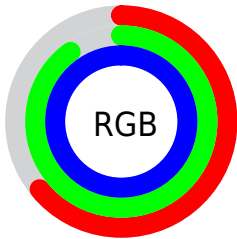
Format	Color
RYB	164, 202, 255
Decimal	10807039
CIELab	87.83, -14.68, -18.69
CIELCh	88, 23.769, 231.845
Yxy	71.7061, 0.2585, 0.3006
Android (android.graphics.Color)	4288997119 (0xFFA4E6FF)
YUV	213.1160, 20.6488, -43.0747
Hunter-Lab	84.6795, -18.2057, -14.3638

Details

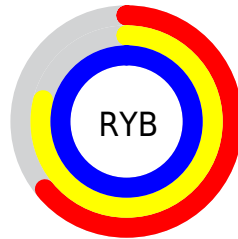
The Yxy color **71.7061, 0.2585, 0.3006** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3548, 0.3895, 0.3554**, and the grayscale version is **66.5144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **37.5375, 0.2461, 0.2931** is the 20% darker color. If you saturate the color by 10%, you get **65.4396, 0.2447, 0.2911**, and if you desaturate by 10%, it is **78.6788, 0.2732, 0.3095**.

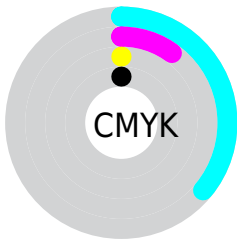
Distribution



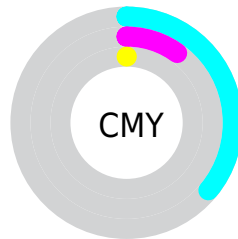
- Red (64%)
- Green (90%)
- Blue (100%)



- Red (64%)
- Yellow (79%)
- Blue (100%)



- Cyan (36%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7061, 0.2585, 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 71.7061, 0.2585, 0.3006 by changing the saturation by 10% instead.

 71.7061, 0.2585,
0.3006


 71.7061, 0.2585,
0.3006

466.5180, 0.2831,
0.3142

 52.9186, 0.2530,
0.2974


 121.6386, 0.2669,
0.3054

 37.7378, 0.2463,
0.2935


 153.5524, 0.2703,
0.3072

 25.7793, 0.2379,
0.2884


190.6104, 0.2731,
0.3088

 16.6586, 0.2272,
0.2817

233.1971, 0.2756,
0.3101

 9.9914, 0.2129,
0.2725

281.6968, 0.2778,
0.3113

 5.3932, 0.1932,
0.2592

336.4939, 0.2798,

 2.4798, 0.1647,

0.3124

0.2382

397.9729, 0.2815,
0.3133

0.8665, 0.1097,
0.2045

0.0000, 0.0000,
0.0000

71.7061, 0.2585,
0.3006

71.7061, 0.2585,
0.3006

65.4396, 0.2447,
0.2911

78.6788, 0.2732,
0.3095

59.8364, 0.2322,
0.2812

86.3810, 0.2884,
0.3176

54.8613, 0.2214,
0.2709

94.8451, 0.3040,
0.3251

50.4716, 0.2124,
0.2605

99.9982, 0.3127,
0.3290

■ 46.6174, 0.2054,
0.2500

■ 43.2378, 0.2004,
0.2396

■ 41.8781, 0.1987,
0.2352

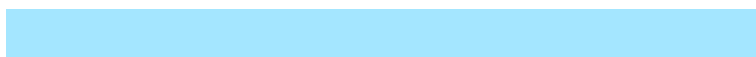
Harmonies

Analogous

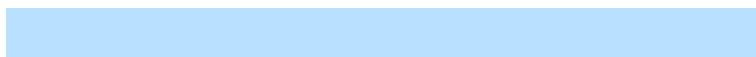
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7061, 0.2656, 0.3252



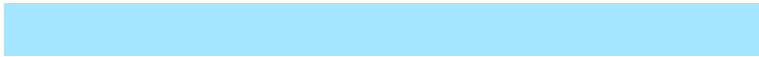
71.7061, 0.2585, 0.3006



71.7061, 0.2650, 0.2852

Triad

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



71.7061, 0.2585, 0.3006



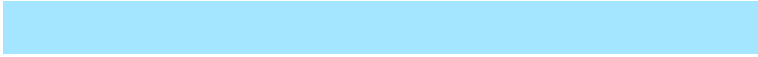
71.7061, 0.3400, 0.3068



71.7061, 0.3405, 0.3804

Complementary

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



71.7061, 0.2585, 0.3006



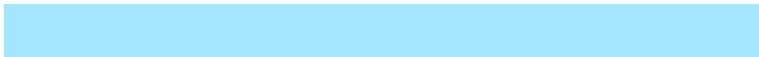
60.3548, 0.3895, 0.3554

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.



71.7061, 0.3620, 0.3724



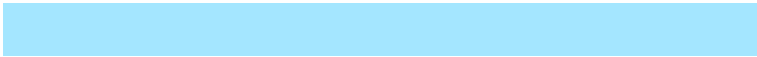
71.7061, 0.2585, 0.3006



71.7061, 0.3620, 0.3297

Square

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



71.7061, 0.2585, 0.3006



71.7061, 0.3111, 0.2895



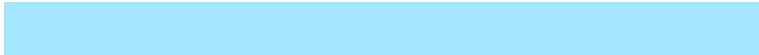
71.7061, 0.3701, 0.3534



71.7061, 0.3122, 0.3733

Rectangle

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



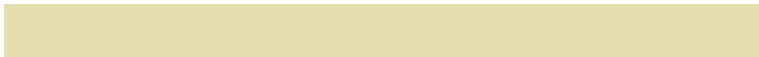
71.7061, 0.2585, 0.3006



71.7061, 0.2764, 0.2815



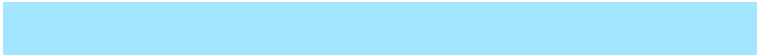
71.7061, 0.3701, 0.3534



71.7061, 0.3488, 0.3792

Sweetspot

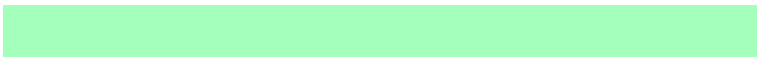
The Sweet Spot groups the original color and five complimentary colors.



71.7089, 0.2585, 0.3006



90.2432, 0.2956, 0.3212



83.0469, 0.2953, 0.4074



19.0724, 0.2935, 0.3202



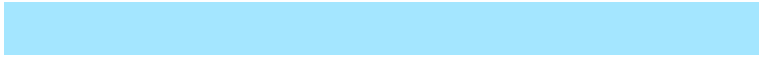
0.0000, 0.0000, 0.0000



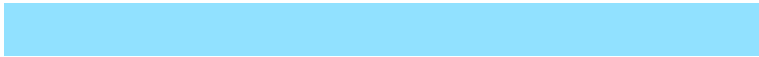
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7089, 0.2585, 0.3006



67.0515, 0.2483, 0.2937



49.9348, 0.2511, 0.2469



19.5877, 0.2980, 0.3223



22.1502, 0.1991, 0.2369



2.3395, 0.2024, 0.2487

Inverse Universe

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



53.5446, 0.3374, 0.2626



47.0471, 0.3442, 0.2491



82.6481, 0.3734, 0.3993



18.2102, 0.3180, 0.3119



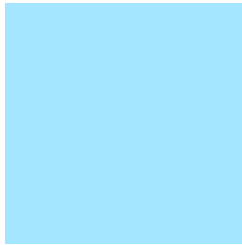
12.9640, 0.4055, 0.2007



1.2807, 0.3936, 0.1942

Previews

White Background



This preview shows how the Yxy color 71.7061, 0.2585, 0.3006 looks on a white background.

Color Contrast Check

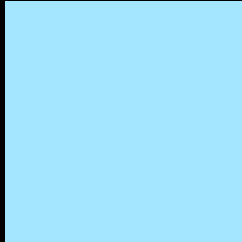
Large Text (above 18pt) WCAG AA × Fail

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 71.7061, 0.2585, 0.3006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

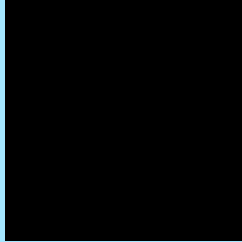
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7061, 0.2585, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 71.7061, 0.2585, 0.3006.

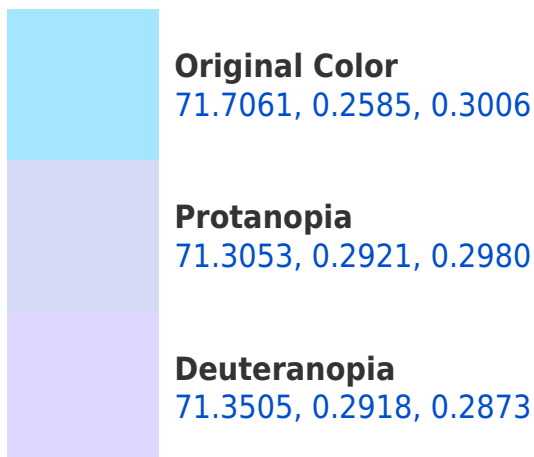


This preview shows how white text looks on a background with the Yxy color 71.7061, 0.2585, 0.3006.

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

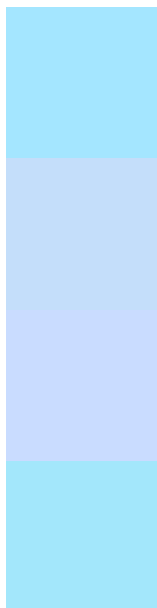




Tritanopia

71.7779, 0.2610, 0.3083

Trichromacy



Original Color

71.7061, 0.2585, 0.3006

Protanomaly

70.8804, 0.2783, 0.2982

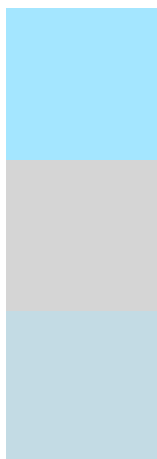
Deuteranomaly

70.8239, 0.2784, 0.2911

Tritanomaly

71.9034, 0.2601, 0.3061

Monochromacy



Original Color

71.7061, 0.2585, 0.3006

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.8666, 0.2904, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7061, 0.2585, 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(164, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 230, 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(164, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.7061, 0.2585, 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(164, 230, 255) }
```

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

```
.border{ border-color:rgb(164, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7061, 0.2585, 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(164, 230, 255) }
```

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

```
.background{ background-color: rgb(164,  
230, 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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