

Converting Colors

$Yxy(74.4483, 0.2437, 0.2596)$

Have a look what the booklet for
Yxy(74.4483, 0.2437, 0.2596)
contains.

Yxy(71.4775, 0.2624, 0.2986)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.4775, 0.2624, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	ACE4FF
RGB	172, 228, 255
RGB Percent	67%, 89%, 100%
CMY	0.3253, 0.1059, 0.0000
CMYK	0.33, 0.11, 0.00, 0.00
HSL	200°, 100%, 84%
HSV	200°, 33%, 100%
XYZ	62.8121, 71.4775, 105.0858
YIQ	214.3340, -42.0430, -3.4750

Conversions

Conversions Part 2

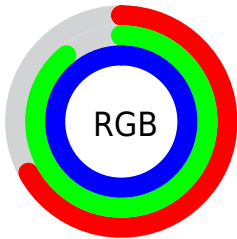
Format	Color
R _Y B	172, 205, 255
Decimal	11330815
CIE Lab	87.72, -11.54, -18.83
CIE LCh	88, 22.080, 238.499
Yxy	71.4775, 0.2624, 0.2986
Android (android.graphics.Color)	4289520895 (0xFFACE4FF)
YUV	214.3340, 20.0483, -37.1269
Hunter-Lab	84.5444, -15.3363, -14.5144

Details

The Yxy color **71.4775, 0.2624, 0.2986** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.1038, 0.3794, 0.3573**, and the grayscale version is **67.3723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **37.7463, 0.2513, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **64.4088, 0.2478, 0.2875**, and if you desaturate by 10%, it is **79.3246, 0.2777, 0.3089**.

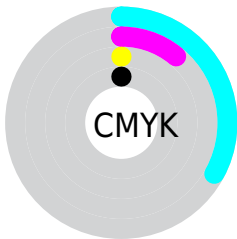
Distribution



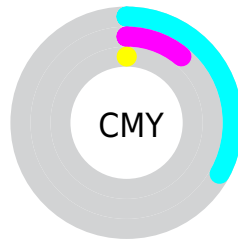
- Red (67%)
- Green (89%)
- Blue (100%)



- Red (67%)
- Yellow (80%)
- Blue (100%)



- Cyan (33%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4775, 0.2624, 0.2986 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 71.4775, 0.2624, 0.2986 by changing the saturation by 10% instead.


 71.4775, 0.2624,
0.2986

 71.4775, 0.2624,
0.2986

465.7209, 0.2853,
0.3130

 52.7320, 0.2573,
0.2953

 121.3134, 0.2703,
0.3036

 37.5888, 0.2510,
0.2911


153.1725, 0.2733,
0.3056

 25.6637, 0.2431,
0.2858


190.1716, 0.2760,
0.3072

 16.5722, 0.2331,
0.2789

232.6952, 0.2783,
0.3087

 9.9300, 0.2196,
0.2694

281.1274, 0.2804,
0.3100

 5.3526, 0.2010,
0.2556

335.8529, 0.2822,

 2.4556, 0.1738,

0.3111

0.2343

397.2559, 0.2838,
0.3121

0.8543, 0.1238,
0.1995

0.0000, 0.0000,
0.0000

71.4775, 0.2624,
0.2986

71.4775, 0.2624,
0.2986

64.4088, 0.2478,
0.2875

79.3246, 0.2777,
0.3089

58.0751, 0.2342,
0.2757

87.9739, 0.2932,
0.3184

52.4414, 0.2221,
0.2635

97.4582, 0.3088,
0.3270

47.4651, 0.2117,
0.2509

99.9995, 0.3127,
0.3290

■ 43.0976, 0.2033,
0.2383

■ 39.2809, 0.1971,
0.2258

■ 36.7267, 0.1935,
0.2167

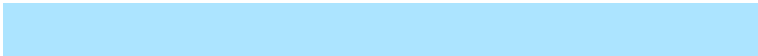
Harmonies

Analogous

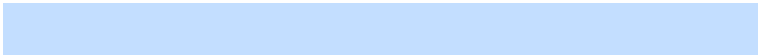
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4775, 0.2663, 0.3200



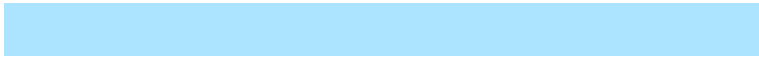
71.4775, 0.2624, 0.2986



71.4775, 0.2712, 0.2865

Triad

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



71.4775, 0.2624, 0.2986



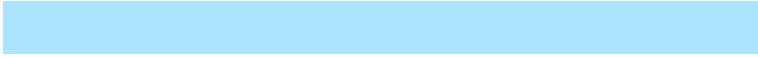
71.4775, 0.3435, 0.3127



71.4775, 0.3331, 0.3765

Complementary

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



71.4775, 0.2624, 0.2986



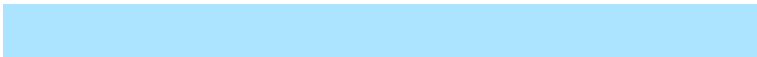
65.1038, 0.3794, 0.3573

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.



71.4775, 0.3550, 0.3721



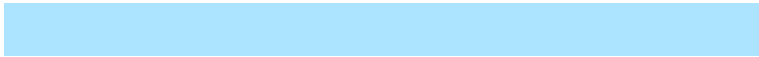
71.4775, 0.2624, 0.2986



71.4775, 0.3614, 0.3348

Square

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



71.4775, 0.2624, 0.2986



71.4775, 0.3174, 0.2951



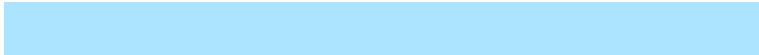
71.4775, 0.3657, 0.3564



71.4775, 0.3064, 0.3667

Rectangle

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



71.4775, 0.2624, 0.2986



71.4775, 0.2834, 0.2846



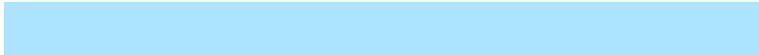
71.4775, 0.3657, 0.3564



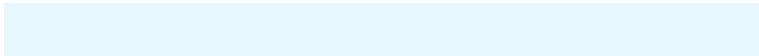
71.4775, 0.3413, 0.3765

Sweetspot

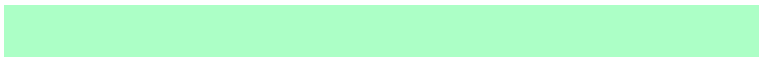
The Sweet Spot groups the original color and five complimentary colors.



71.4803, 0.2624, 0.2986



90.2992, 0.2972, 0.3206



84.3822, 0.2945, 0.3944



19.0505, 0.2950, 0.3194



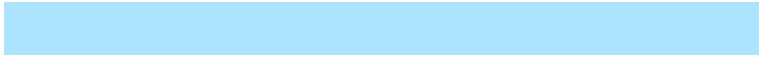
0.0000, 0.0000, 0.0000



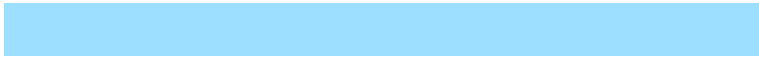
21.4041, 0.3127, 0.3290

Same Dimension

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



71.4803, 0.2624, 0.2986



66.8232, 0.2529, 0.2915



51.6426, 0.2564, 0.2503



19.4263, 0.2980, 0.3211



19.4753, 0.1941, 0.2187



2.0953, 0.1980, 0.2328

Inverse Universe

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



56.3817, 0.3382, 0.2724



50.1942, 0.3450, 0.2611



86.4324, 0.3664, 0.3969



18.1939, 0.3188, 0.3131



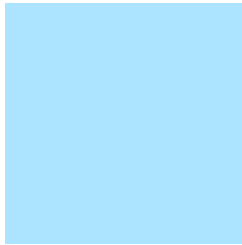
12.6940, 0.4246, 0.2113



1.2561, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 71.4775, 0.2624, 0.2986 looks on a white background.

Color Contrast Check

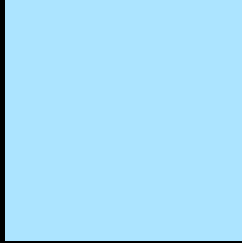
Large Text (above 18pt) WCAG AA × Fail

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 71.4775, 0.2624, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

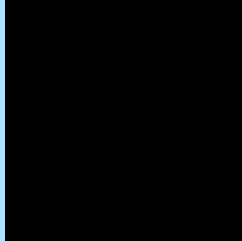
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.4775, 0.2624, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 71.4775, 0.2624, 0.2986.

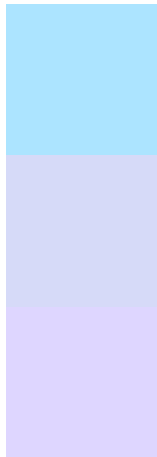


This preview shows how white text looks on a background with the Yxy color 71.4775, 0.2624, 0.2986.

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

71.4775, 0.2624, 0.2986

Protanopia

71.2163, 0.2908, 0.2969

Deuteranopia

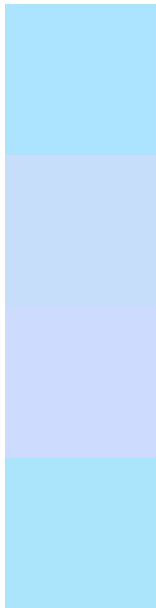
70.8427, 0.2918, 0.2862



Tritanopia

71.3620, 0.2650, 0.3073

Trichromacy



Original Color

71.4775, 0.2624, 0.2986

Protanomaly

71.3497, 0.2796, 0.2974

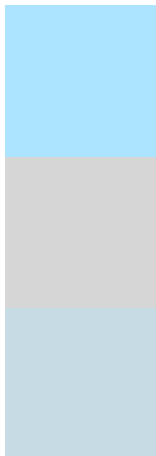
Deuteranomaly

70.7204, 0.2802, 0.2902

Tritanomaly

71.6616, 0.2640, 0.3040

Monochromacy



Original Color

71.4775, 0.2624, 0.2986

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.4623, 0.2925, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4775, 0.2624, 0.2986 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(172, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.4775, 0.2624, 0.2986 is called "border". The border property can be set on classes, ids or directly on the HTML element.

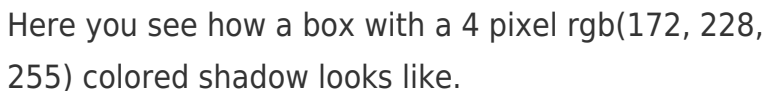
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 228, 255) }
```

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

```
.border{ border-color:rgb(172, 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(172, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 228, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 228, 255); box-shadow:4px 4px 4px 4px rgb(172, 228, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4775, 0.2624, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 228, 255) }
```

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

```
.background{ background-color: rgb(172,  
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](#).

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