

Converting Colors

$Yxy(65.8193, 0.2413, 0.2424)$

Have a look what the booklet for
Yxy(65.8193, 0.2413, 0.2424)
contains.

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Color

Yxy(63.0776, 0.2600, 0.2799)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | ACD4FF |
| RGB | 172, 212, 255 |
| RGB Percent | 67%, 83%, 100% |
| CMY | 0.3258, 0.1685, 0.0000 |
| CMYK | 0.33, 0.17, 0.00, 0.00 |
| HSL | 211°, 100%, 84% |
| HSV | 211°, 33%, 100% |
| XYZ | 58.5930, 63.0776, 103.6870 |
| YIQ | 204.9420, -37.6430, 4.8930 |

Conversions

Conversions Part 2

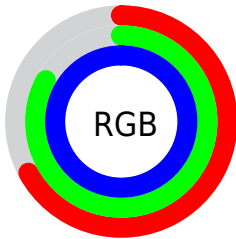
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 172, 199, 255 |
| Decimal | 11326719 |
| CIE Lab | 83.48, -3.27, -25.24 |
| CIE LCh | 83, 25.455, 262.623 |
| Yxy | 63.0776, 0.2600, 0.2799 |
| Android (android.graphics.Color) | 4289516799 (0xFFACD4FF) |
| YUV | 204.9420, 24.6786, -28.8901 |
| Hunter-Lab | 79.4214, -7.2994, -21.8099 |

Details

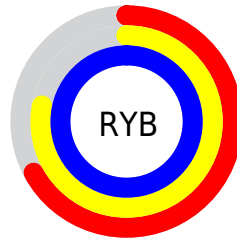
The Yxy color **63.0776, 0.2600, 0.2799** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.7823, 0.3742, 0.3734**, and the grayscale version is **60.8627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **32.3128, 0.2476, 0.2689** is the 20% darker color. If you saturate the color by 10%, you get **54.1392, 0.2434, 0.2617**, and if you desaturate by 10%, it is **73.1132, 0.2767, 0.2967**.

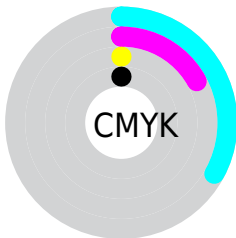
Distribution



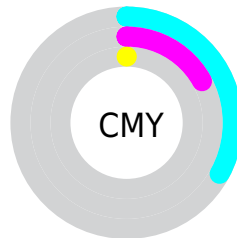
- Red (67%)
- Green (83%)
- Blue (100%)



- Red (67%)
- Yellow (78%)
- Blue (100%)



- Cyan (33%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0776, 0.2600, 0.2799 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 63.0776, 0.2600, 0.2799 by changing the saturation by 10% instead.

■ 63.0776, 0.2600,
0.2799

■ 63.0776, 0.2600,
0.2799

435.8511, 0.2845,
0.3030

■ 45.9040, 0.2544,
0.2746

■ 109.2815, 0.2685,
0.2880

■ 32.1701, 0.2475,
0.2680

139.0805, 0.2718,
0.2911

■ 21.4914, 0.2388,
0.2596

173.8568, 0.2747,
0.2938

■ 13.4837, 0.2274,
0.2487

213.9947, 0.2772,
0.2961

■ 7.7625, 0.2122,
0.2338

259.8788, 0.2794,
0.2981

■ 3.9433, 0.1907,
0.2127

311.8932, 0.2813,

■ 1.6419, 0.1590,

0.3000

0.1809

370.4225, 0.2830,
0.3016

0.3856, 0.0832,
0.1120

0.0000, 0.0000,
0.0000

63.0776, 0.2600,
0.2799

63.0776, 0.2600,
0.2799

54.1392, 0.2434,
0.2617

73.1132, 0.2767,
0.2967

46.2461, 0.2274,
0.2423

84.2801, 0.2930,
0.3120

39.3522, 0.2125,
0.2221

96.6200, 0.3088,
0.3257

33.4047, 0.1992,
0.2016

99.9995, 0.3127,
0.3290

■ 28.3436, 0.1881,
0.1814

■ 24.0990, 0.1795,
0.1621

■ 21.4066, 0.1747,
0.1487

Harmonies

Analogous

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



63.0776, 0.2524, 0.2965



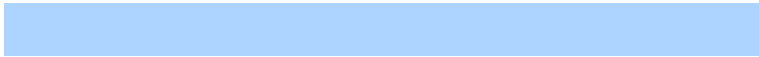
63.0776, 0.2600, 0.2799



63.0776, 0.2812, 0.2764

Triad

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



63.0776, 0.2600, 0.2799



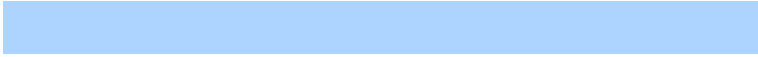
63.0776, 0.3683, 0.3302



63.0776, 0.3112, 0.3784

Complementary

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



63.0776, 0.2600, 0.2799



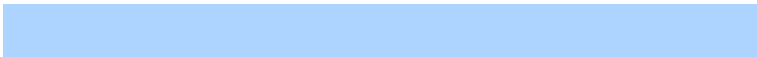
72.7823, 0.3742, 0.3734

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.



63.0776, 0.3428, 0.3866



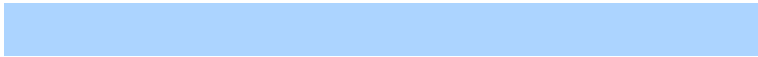
63.0776, 0.2600, 0.2799



63.0776, 0.3769, 0.3566

Square

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



63.0776, 0.2600, 0.2799



63.0776, 0.3440, 0.3048



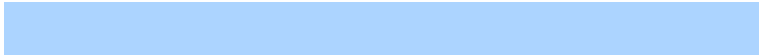
63.0776, 0.3672, 0.3777



63.0776, 0.2809, 0.3546

Rectangle

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



63.0776, 0.2600, 0.2799



63.0776, 0.3009, 0.2812



63.0776, 0.3672, 0.3777



63.0776, 0.3220, 0.3831

Sweetspot

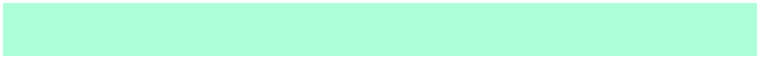
The Sweet Spot groups the original color and five complimentary colors.



63.0801, 0.2600, 0.2799



87.3510, 0.2971, 0.3157



85.1756, 0.2859, 0.3746



18.3367, 0.2949, 0.3137



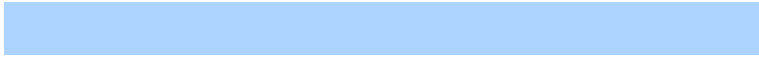
0.0000, 0.0000, 0.0000



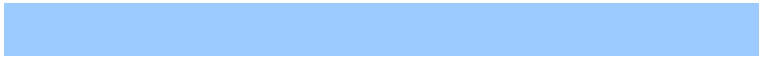
21.4041, 0.3127, 0.3290

Same Dimension

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



63.0801, 0.2600, 0.2799



57.2175, 0.2493, 0.2683



45.6163, 0.2549, 0.2322



18.8248, 0.2979, 0.3164



11.4819, 0.1755, 0.1516



1.3354, 0.1813, 0.1727

Inverse Universe

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



55.4902, 0.3520, 0.2878



49.2245, 0.3628, 0.2795



95.4876, 0.3611, 0.4109



18.1332, 0.3218, 0.3176



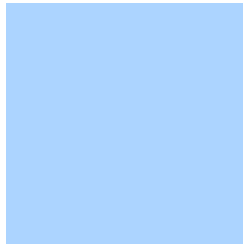
11.8871, 0.5038, 0.2549



1.1794, 0.4774, 0.2404

Previews

White Background



This preview shows how the Yxy color 63.0776, 0.2600, 0.2799 looks on a white background.

Color Contrast Check

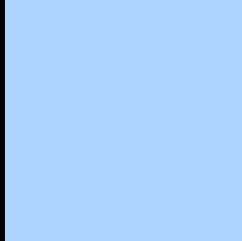
Large Text (above 18pt) WCAG AA × Fail

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 63.0776, 0.2600, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

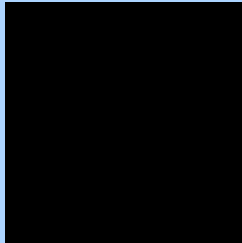
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

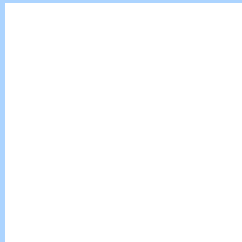
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.0776, 0.2600, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 63.0776, 0.2600, 0.2799.



This preview shows how white text looks on a background with the Yxy color 63.0776, 0.2600, 0.2799.

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

63.0776, 0.2600, 0.2799

Protanopia

63.1134, 0.2777, 0.2792

Deuteranopia

62.6284, 0.2784, 0.2723



Tritanopia

63.2104, 0.2695, 0.3087

Trichromacy



Original Color

63.0776, 0.2600, 0.2799

Protanomaly

62.9588, 0.2715, 0.2797

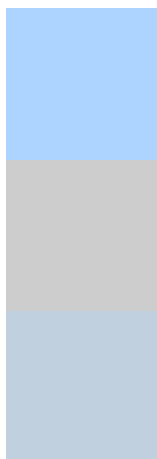
Deuteranomaly

62.5691, 0.2715, 0.2746

Tritanomaly

63.3868, 0.2662, 0.2984

Monochromacy



Original Color

63.0776, 0.2600, 0.2799

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.7769, 0.2918, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0776, 0.2600, 0.2799 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, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 212, 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, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.0776, 0.2600, 0.2799 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, 212, 255) }
```

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

```
.border{ border-color:rgb(172, 212, 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, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0776, 0.2600, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 212, 255) }
```

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

```
.background{ background-color: rgb(172,  
212, 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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