

Converting Colors

$Yxy(63.7013, 0.2697, 0.3030)$

Have a look what the booklet for
Yxy(63.7013, 0.2697, 0.3030)
contains.

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Color

Yxy(63.5446, 0.2696, 0.3019)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ACD7EE |
| RGB | 172, 215, 238 |
| RGB Percent | 67%, 84%, 93% |
| CMY | 0.3256, 0.1568, 0.0665 |
| CMYK | 0.28, 0.10, 0.00, 0.07 |
| HSL | 201°, 66%, 80% |
| HSV | 201°, 28%, 93% |
| XYZ | 56.7460, 63.5446, 90.1917 |
| YIQ | 204.7650, -33.0110, -1.9630 |

Conversions

Conversions Part 2

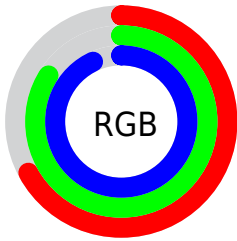
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 172, 198, 238 |
| Decimal | 11327470 |
| CIELab | 83.73, -8.84, -15.89 |
| CIELCh | 84, 18.181, 240.896 |
| Yxy | 63.5446, 0.2696, 0.3019 |
| Android (android.graphics.Color) | 4289517550 (0xFFACD7EE) |
| YUV | 204.7650, 16.3849, -28.7349 |
| Hunter-Lab | 79.7149, -12.4336, -11.2820 |

Details

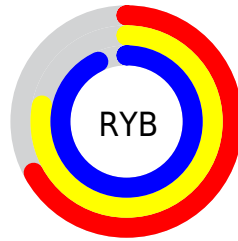
The Yxy color **63.5446, 0.2696, 0.3019** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.1945, 0.3665, 0.3545**, and the grayscale version is **60.8025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **32.3706, 0.2593, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **56.9712, 0.2545, 0.2904**, and if you desaturate by 10%, it is **70.8199, 0.2851, 0.3125**.

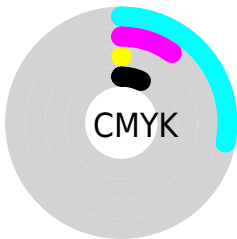
Distribution



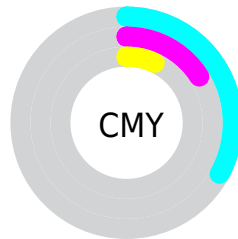
- Red (67%)
- Green (84%)
- Blue (93%)



- Red (67%)
- Yellow (78%)
- Blue (93%)



- Cyan (28%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5446, 0.2696, 0.3019 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 63.5446, 0.2696, 0.3019 by changing the saturation by 10% instead.

■ 63.5446, 0.2696,
0.3019

■ 63.5446, 0.2696,
0.3019

437.5433, 0.2897,
0.3149

■ 46.2819, 0.2650,
0.2988

■ 109.9548, 0.2766,
0.3065

■ 32.4684, 0.2592,
0.2949

139.8712, 0.2793,
0.3083

■ 21.7195, 0.2520,
0.2899

174.7742, 0.2817,
0.3098

■ 13.6509, 0.2424,
0.2833

215.0483, 0.2837,
0.3111

■ 7.8783, 0.2294,
0.2739

261.0778, 0.2855,
0.3122

■ 4.0172, 0.2108,
0.2600

313.2473, 0.2871,

■ 1.6832, 0.1820,

0.3132

0.2373

371.9409, 0.2885,
0.3141

0.4127, 0.0774,
0.1810

0.0000, 0.0000,
0.0000

63.5446, 0.2696,
0.3019

63.5446, 0.2696,
0.3019

56.9712, 0.2545,
0.2904

70.8199, 0.2851,
0.3125

51.0630, 0.2401,
0.2781

78.8163, 0.3007,
0.3222

45.7914, 0.2270,
0.2652

87.5616, 0.3162,
0.3309

41.1217, 0.2154,
0.2518

94.6940, 0.3232,
0.3389

■ 37.0150, 0.2057,
0.2383

■ 98.9553, 0.3226,
0.3453

■ 33.4261, 0.1980,
0.2248

■ 30.2949, 0.1924,
0.2116

■ 29.6347, 0.1913,
0.2087

Harmonies

Analogous

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



63.5446, 0.2721, 0.3198



63.5446, 0.2696, 0.3019



63.5446, 0.2781, 0.2920

Triad

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



63.5446, 0.2696, 0.3019



63.5446, 0.3406, 0.3165



63.5446, 0.3286, 0.3692

Complementary

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



63.5446, 0.2696, 0.3019



60.1945, 0.3665, 0.3545

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.



63.5446, 0.3478, 0.3667



63.5446, 0.2696, 0.3019



63.5446, 0.3551, 0.3357

Square

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



63.5446, 0.2696, 0.3019



63.5446, 0.3187, 0.3007



63.5446, 0.3577, 0.3541



63.5446, 0.3056, 0.3599

Rectangle

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



63.5446, 0.2696, 0.3019



63.5446, 0.2891, 0.2908



63.5446, 0.3577, 0.3541



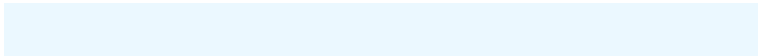
63.5446, 0.3357, 0.3697

Sweetspot

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



63.5471, 0.2696, 0.3019



91.8800, 0.3003, 0.3219



73.8339, 0.2964, 0.3817



19.3528, 0.2980, 0.3205



0.0000, 0.0000, 0.0000



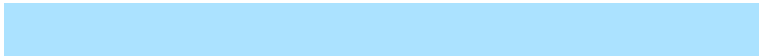
21.4041, 0.3127, 0.3290

Same Dimension

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



63.5471, 0.2696, 0.3019



70.0705, 0.2614, 0.2958



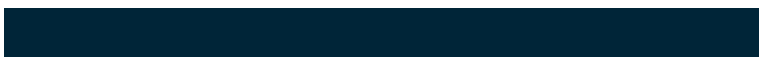
48.8040, 0.2656, 0.2625



16.9473, 0.2980, 0.3206



16.7787, 0.1919, 0.2107



1.5813, 0.1967, 0.2281

Inverse Universe

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



52.5858, 0.3348, 0.2827



55.8017, 0.3403, 0.2734



76.1145, 0.3576, 0.3877



15.9323, 0.3191, 0.3137



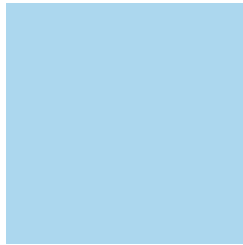
11.4872, 0.4333, 0.2161



0.9743, 0.4146, 0.2058

Previews

White Background



This preview shows how the Yxy color 63.5446, 0.2696, 0.3019 looks on a white background.

Color Contrast Check

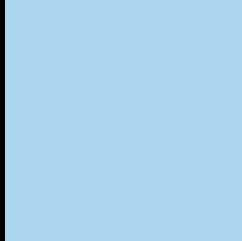
Large Text (above 18pt) WCAG AA × Fail

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 63.5446, 0.2696, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

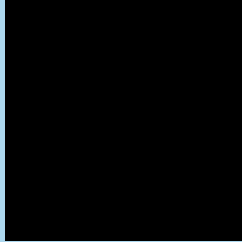
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5446, 0.2696, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 63.5446, 0.2696, 0.3019.



This preview shows how white text looks on a background with the Yxy color 63.5446, 0.2696, 0.3019.

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

63.5446, 0.2696, 0.3019

Protanopia

63.4880, 0.2937, 0.2998

Deuteranopia

63.2089, 0.2941, 0.2875



Tritanopia

63.6529, 0.2720, 0.3088

Trichromacy



Original Color

63.5446, 0.2696, 0.3019

Protanomaly

63.4288, 0.2843, 0.3004

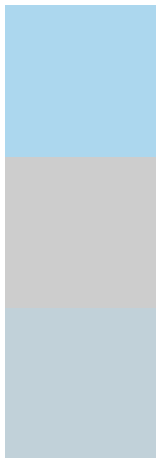
Deuteranomaly

62.9227, 0.2845, 0.2918

Tritanomaly

63.7678, 0.2708, 0.3065

Monochromacy



Original Color

63.5446, 0.2696, 0.3019

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.9481, 0.2957, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5446, 0.2696, 0.3019 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, 215, 238)` looks like.

```
.text, #text, p{  
    color:rgb(172, 215, 238)  
}
```

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, 215, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 215, 238) }
```

Border

The CSS property to change the border of an element to Yxy 63.5446, 0.2696, 0.3019 is called "border". The border property can be set on classes, ids or directly on the HTML element.

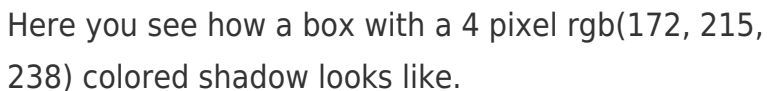
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 215, 238) }
```

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

```
.border{ border-color:rgb(172, 215, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 215, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 215, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 215, 238); box-shadow:4px 4px 4px 4px rgb(172, 215, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5446, 0.2696, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 215, 238) }
```

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

```
.background{ background-color: rgb(172,  
215, 238) }
```

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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