

Converting Colors

$Yxy(63.4878, 0.2586, 0.2814)$

Have a look what the booklet for
Yxy(63.4878, 0.2586, 0.2814)
contains.

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Color

Yxy(63.2435, 0.2585, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	A9D5FF
RGB	169, 213, 255
RGB Percent	66%, 84%, 100%
CMY	0.3369, 0.1648, 0.0000
CMYK	0.34, 0.16, 0.00, 0.00
HSL	209°, 100%, 83%
HSV	209°, 34%, 100%
XYZ	58.2210, 63.2435, 103.7617
YIQ	204.6320, -39.7060, 3.7340

Conversions

Conversions Part 2

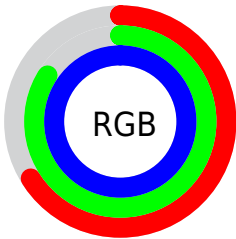
Format	Color
R _Y B	169, 198, 255
Decimal	11130367
CIE Lab	83.57, -4.55, -25.14
CIE LCh	84, 25.549, 259.750
Yxy	63.2435, 0.2585, 0.2808
Android (android.graphics.Color)	4289320447 (0xFFA9D5FF)
YUV	204.6320, 24.8314, -31.2493
Hunter-Lab	79.5258, -8.4900, -21.6909

Details

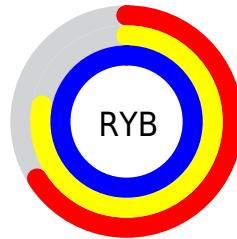
The Yxy color **63.2435, 0.2585, 0.2808** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.7637, 0.3776, 0.3725**, and the grayscale version is **60.6723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **32.1083, 0.2456, 0.2686** is the 20% darker color. If you saturate the color by 10%, you get **54.6591, 0.2423, 0.2635**, and if you desaturate by 10%, it is **72.8627, 0.2750, 0.2968**.

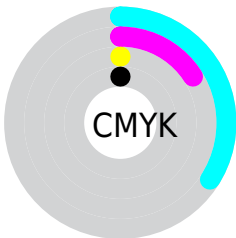
Distribution



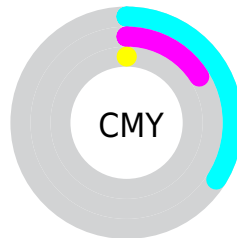
- Red (66%)
- Green (84%)
- Blue (100%)



- Red (66%)
- Yellow (78%)
- Blue (100%)



- Cyan (34%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (34%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2435, 0.2585, 0.2808 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 63.2435, 0.2585, 0.2808 by changing the saturation by 10% instead.

 63.2435, 0.2585,
0.2808

 63.2435, 0.2585,
0.2808


436.4527, 0.2837,
0.3035

 46.0382, 0.2528,
0.2755


 109.5207, 0.2672,
0.2887

 32.2760, 0.2457,
0.2690


139.3615, 0.2706,
0.2918

 21.5724, 0.2367,
0.2608

174.1828, 0.2736,
0.2945

 13.5430, 0.2252,
0.2499

214.3692, 0.2761,
0.2967

 7.8035, 0.2096,
0.2352

260.3050, 0.2784,
0.2988

 3.9695, 0.1878,
0.2143

312.3745, 0.2804,

 1.6565, 0.1556,

0.3005

0.1826

370.9623, 0.2821,
0.3021

■ 0.3953, 0.0770,
0.1149

■ 0.0000, 0.0000,
0.0000

■ 63.2435, 0.2585,
0.2808

■ 63.2435, 0.2585,
0.2808

■ 54.6591, 0.2423,
0.2635

■ 72.8627, 0.2750,
0.2968

■ 47.0630, 0.2267,
0.2451

■ 83.5531, 0.2912,
0.3114

■ 40.4098, 0.2124,
0.2260

■ 95.3532, 0.3070,
0.3245

■ 34.6482, 0.1997,
0.2067

100.0000, 0.3127,
0.3290

■ 29.7198, 0.1893,
0.1875

■ 25.5557, 0.1813,
0.1692

■ 23.2661, 0.1773,
0.1582

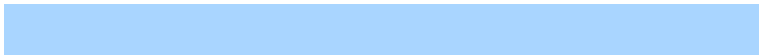
Harmonies

Analogous

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



63.2435, 0.2523, 0.2986



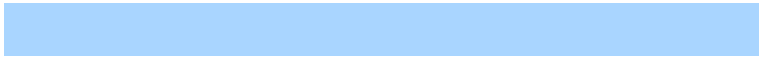
63.2435, 0.2585, 0.2808



63.2435, 0.2785, 0.2761

Triad

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



63.2435, 0.2585, 0.2808



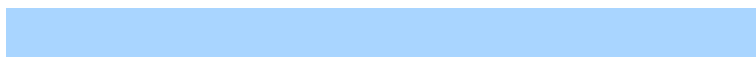
63.2435, 0.3668, 0.3277



63.2435, 0.3143, 0.3801

Complementary

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



63.2435, 0.2585, 0.2808



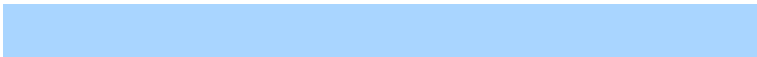
70.7637, 0.3776, 0.3725

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.



63.2435, 0.3457, 0.3866



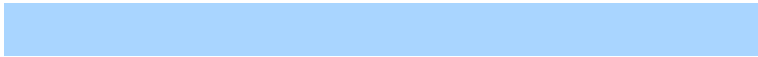
63.2435, 0.2585, 0.2808



63.2435, 0.3771, 0.3543

Square

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



63.2435, 0.2585, 0.2808



63.2435, 0.3411, 0.3026



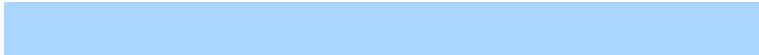
63.2435, 0.3691, 0.3762



63.2435, 0.2835, 0.3574

Rectangle

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



63.2435, 0.2585, 0.2808



63.2435, 0.2978, 0.2801



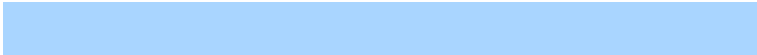
63.2435, 0.3691, 0.3762



63.2435, 0.3251, 0.3843

Sweetspot

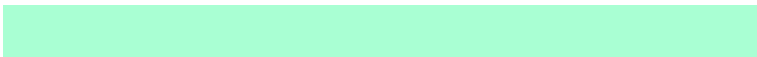
The Sweet Spot groups the original color and five complimentary colors.



63.2447, 0.2585, 0.2808



87.7808, 0.2971, 0.3164



84.6474, 0.2865, 0.3799



18.4406, 0.2949, 0.3145



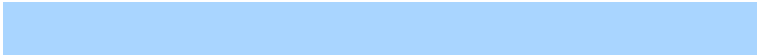
0.0000, 0.0000, 0.0000



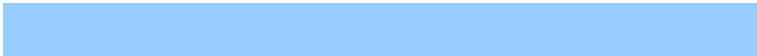
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2447, 0.2585, 0.2808



57.7130, 0.2482, 0.2701



44.6058, 0.2519, 0.2298



18.9126, 0.2979, 0.3171



12.4571, 0.1781, 0.1611



1.4316, 0.1837, 0.1813

Inverse Universe

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



54.4692, 0.3516, 0.2840



48.4561, 0.3618, 0.2754



94.7373, 0.3641, 0.4121



18.1420, 0.3214, 0.3169



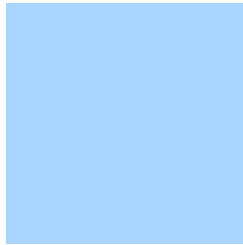
11.9855, 0.4918, 0.2483



1.1891, 0.4670, 0.2346

Previews

White Background



This preview shows how the Yxy color 63.2435, 0.2585, 0.2808 looks on a white background.

Color Contrast Check

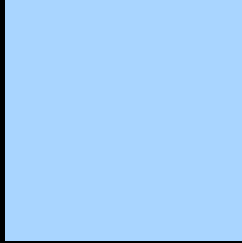
Large Text (above 18pt) WCAG AA × Fail

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 63.2435, 0.2585, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

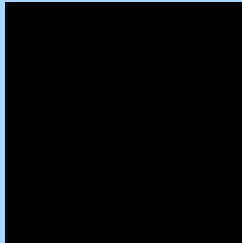
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

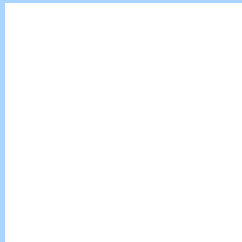
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2435, 0.2585, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 63.2435, 0.2585, 0.2808.



This preview shows how white text looks on a background with the Yxy color 63.2435, 0.2585, 0.2808.

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

63.2435, 0.2585, 0.2808

Protanopia

63.0505, 0.2783, 0.2803

Deuteranopia

63.1022, 0.2785, 0.2734



Tritanopia

63.4587, 0.2673, 0.3086

Trichromacy



Original Color

63.2435, 0.2585, 0.2808

Protanomaly

63.1940, 0.2703, 0.2807

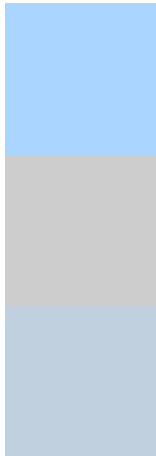
Deuteranomaly

62.9220, 0.2710, 0.2757

Tritanomaly

63.6295, 0.2640, 0.2984

Monochromacy



Original Color

63.2435, 0.2585, 0.2808

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.6459, 0.2911, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2435, 0.2585, 0.2808 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(169, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 213, 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(169, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.2435, 0.2585, 0.2808 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(169, 213, 255) }
```

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

```
.border{ border-color:rgb(169, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 213,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2435, 0.2585, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 213, 255) }
```

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

```
.background{ background-color: rgb(169,  
213, 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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