

Converting Colors

Yxy(64.5366, 0.2486, 0.2698)

Have a look what the booklet for
Yxy(64.5366, 0.2486, 0.2698)
contains.

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Color

Yxy(63.5023, 0.2549, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	A2D7FF
RGB	162, 215, 255
RGB Percent	64%, 84%, 100%
CMY	0.3646, 0.1569, 0.0000
CMYK	0.36, 0.16, 0.00, 0.00
HSL	206°, 100%, 82%
HSV	206°, 36%, 100%
XYZ	57.2576, 63.5023, 103.8679
YIQ	203.7130, -44.4280, 1.2040

Conversions

Conversions Part 2

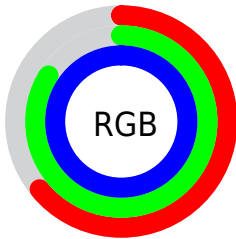
Format	Color
R_{YB}	162, 196, 255
Decimal	10672127
CIE _{Lab}	83.71, -7.49, -24.97
CIE _{LCh}	84, 26.072, 253.314
Yxy	63.5023, 0.2549, 0.2827
Android (android.graphics.Color)	4288862207 (0xFFA2D7FF)
YUV	203.7130, 25.2845, -36.5823
Hunter-Lab	79.6883, -11.1988, -21.4984

Details

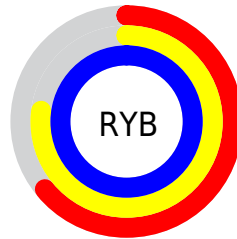
The Yxy color **63.5023, 0.2549, 0.2827** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.1262, 0.3863, 0.3708**, and the grayscale version is **60.0550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **32.3446, 0.2416, 0.2711** is the 20% darker color. If you saturate the color by 10%, you get **55.6955, 0.2395, 0.2674**, and if you desaturate by 10%, it is **72.2269, 0.2708, 0.2970**.

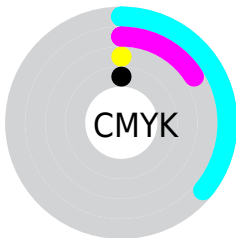
Distribution



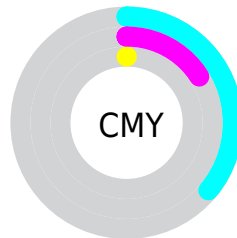
- Red (64%)
- Green (84%)
- Blue (100%)



- Red (64%)
- Yellow (77%)
- Blue (100%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5023, 0.2549, 0.2827 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 63.5023, 0.2549, 0.2827 by changing the saturation by 10% instead.

63.5023, 0.2549,
0.2827

63.5023, 0.2549,
0.2827

437.3901, 0.2817,
0.3047

46.2477, 0.2488,
0.2776

109.8939, 0.2642,
0.2904

32.4413, 0.2413,
0.2713

139.7996, 0.2678,
0.2934

21.6988, 0.2319,
0.2632

174.6911, 0.2709,
0.2959

13.6358, 0.2197,
0.2526

214.9529, 0.2736,
0.2981

7.8678, 0.2034,
0.2381

260.9693, 0.2760,
0.3001

4.0105, 0.1807,
0.2174

313.1247, 0.2781,

1.6794, 0.1475,

0.3018

0.1859

371.8035, 0.2800,
0.3033

0.4103, 0.0608,
0.1205

0.0000, 0.0000,
0.0000

63.5023, 0.2549,
0.2827

63.5023, 0.2549,
0.2827

55.6955, 0.2395,
0.2674

72.2269, 0.2708,
0.2970

48.7639, 0.2250,
0.2511

81.9043, 0.2869,
0.3101

42.6643, 0.2120,
0.2343

92.5699, 0.3027,
0.3220

37.3476, 0.2008,
0.2173

100.0000, 0.3127,
0.3290

■ 32.7573, 0.1917,
0.2005

■ 28.8244, 0.1850,
0.1843

■ 27.5555, 0.1830,
0.1787

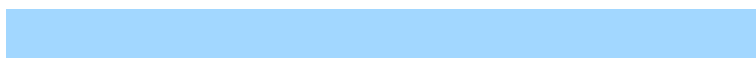
Harmonies

Analogous

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



63.5023, 0.2519, 0.3035



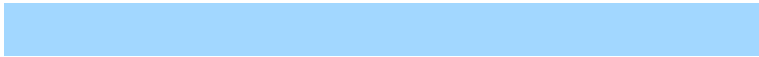
63.5023, 0.2549, 0.2827



63.5023, 0.2725, 0.2750

Triad

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



63.5023, 0.2549, 0.2827



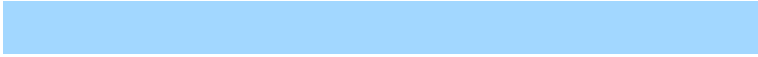
63.5023, 0.3633, 0.3218



63.5023, 0.3214, 0.3841

Complementary

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



63.5023, 0.2549, 0.2827



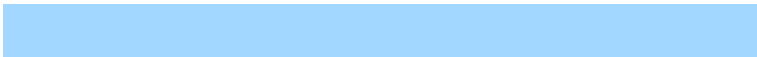
66.1262, 0.3863, 0.3708

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.



63.5023, 0.3524, 0.3868



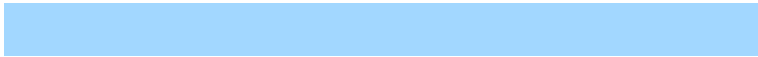
63.5023, 0.2549, 0.2827



63.5023, 0.3776, 0.3490

Square

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



63.5023, 0.2549, 0.2827



63.5023, 0.3348, 0.2973



63.5023, 0.3734, 0.3730



63.5023, 0.2891, 0.3640

Rectangle

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



63.5023, 0.2549, 0.2827



63.5023, 0.2908, 0.2773



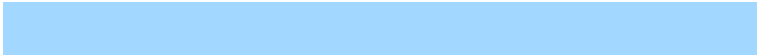
63.5023, 0.3734, 0.3730



63.5023, 0.3323, 0.3870

Sweetspot

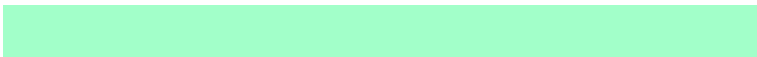
The Sweet Spot groups the original color and five complimentary colors.



63.5031, 0.2549, 0.2827



87.6023, 0.2956, 0.3168



83.4105, 0.2878, 0.3924



18.4417, 0.2934, 0.3152



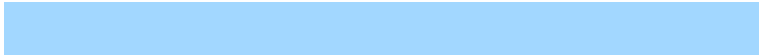
0.0000, 0.0000, 0.0000



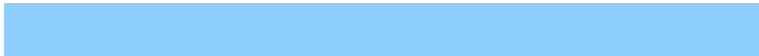
21.4041, 0.3127, 0.3290

Same Dimension

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



63.5031, 0.2549, 0.2827



57.5328, 0.2432, 0.2712



43.5701, 0.2471, 0.2277



19.0958, 0.2979, 0.3185



14.7009, 0.1837, 0.1813



1.6485, 0.1888, 0.1997

Inverse Universe

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



52.0169, 0.3510, 0.2748



45.3363, 0.3622, 0.2637



90.5457, 0.3703, 0.4134



18.1605, 0.3204, 0.3155



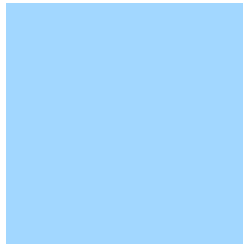
12.2120, 0.4670, 0.2346



1.2110, 0.4457, 0.2229

Previews

White Background



This preview shows how the Yxy color 63.5023, 0.2549, 0.2827 looks on a white background.

Color Contrast Check

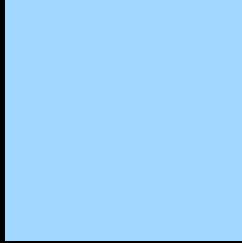
Large Text (above 18pt) WCAG AA × Fail

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 63.5023, 0.2549, 0.2827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

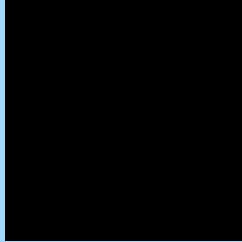
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

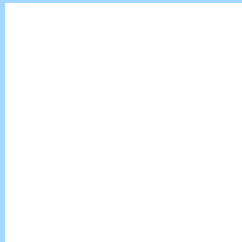
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5023, 0.2549, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 63.5023, 0.2549, 0.2827.



This preview shows how white text looks on a background with the Yxy color 63.5023, 0.2549, 0.2827.

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

63.5023, 0.2549, 0.2827

Protanopia

63.1243, 0.2796, 0.2814

Deuteranopia

63.1022, 0.2785, 0.2734



Tritanopia

63.3670, 0.2624, 0.3073

Trichromacy



Original Color

63.5023, 0.2549, 0.2827

Protanomaly

63.0051, 0.2703, 0.2816

Deuteranomaly

63.0231, 0.2692, 0.2765

Tritanomaly

63.4677, 0.2597, 0.2981

Monochromacy



Original Color

63.5023, 0.2549, 0.2827

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.2583, 0.2890, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5023, 0.2549, 0.2827 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(162, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 215, 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(162, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.5023, 0.2549, 0.2827 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(162, 215, 255) }
```

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

```
.border{ border-color:rgb(162, 215, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5023, 0.2549, 0.2827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 215, 255) }
```

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

```
.background{ background-color: rgb(162,  
215, 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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