

Converting Colors

$Yxy(65.3549, 0.2467, 0.2582)$

Have a look what the booklet for
Yxy(65.3549, 0.2467, 0.2582)
contains.

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Color

Yxy(63.6380, 0.2581, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	A8D6FF
RGB	168, 214, 255
RGB Percent	66%, 84%, 100%
CMY	0.3410, 0.1608, 0.0002
CMYK	0.34, 0.16, 0.00, 0.00
HSL	208°, 100%, 83%
HSV	208°, 34%, 100%
XYZ	58.2446, 63.6380, 103.7841
YIQ	204.9200, -40.5770, 2.9990

Conversions

Conversions Part 2

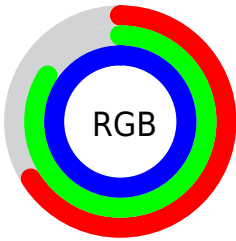
Format	Color
R _Y B	168, 198, 255
Decimal	11065087
CIE Lab	83.78, -5.38, -24.80
CIE LCh	84, 25.376, 257.761
Yxy	63.6380, 0.2581, 0.2820
Android (android.graphics.Color)	4289255167 (0xFFA8D6FF)
YUV	204.9200, 24.6894, -32.3788
Hunter-Lab	79.7734, -9.2762, -21.2940

Details

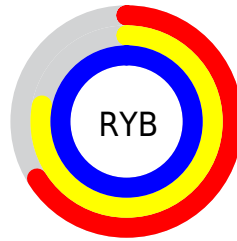
The Yxy color **63.6380, 0.2581, 0.2820** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **69.6772, 0.3791, 0.3715**, and the grayscale version is **60.8609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **32.3842, 0.2452, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **55.2521, 0.2421, 0.2653**, and if you desaturate by 10%, it is **73.0259, 0.2744, 0.2974**.

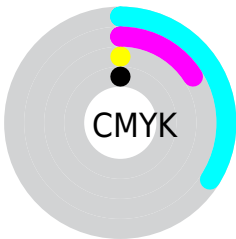
Distribution



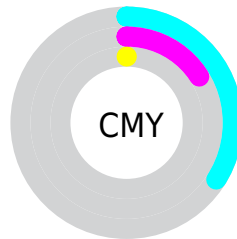
- Red (66%)
- Green (84%)
- Blue (100%)



- 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 63.6380, 0.2581, 0.2820 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 63.6380, 0.2581, 0.2820 by changing the saturation by 10% instead.


 63.6380, 0.2581,
0.2820

 63.6380, 0.2581,
0.2820


437.8812, 0.2835,
0.3042

 46.3575, 0.2523,
0.2769


 110.0894, 0.2669,
0.2898

 32.5281, 0.2452,
0.2705


140.0292, 0.2703,
0.2928

 21.7652, 0.2363,
0.2624


174.9575, 0.2733,
0.2953

 13.6844, 0.2247,
0.2518

215.2588, 0.2758,
0.2976

 7.9015, 0.2091,
0.2374

261.3174, 0.2781,
0.2995

 4.0320, 0.1873,
0.2168

313.5177, 0.2801,

 1.6915, 0.1552,

0.3013

0.1856

372.2442, 0.2819,
0.3028

0.4181, 0.0768,
0.1207

0.0000, 0.0000,
0.0000

63.6380, 0.2581,
0.2820

63.6380, 0.2581,
0.2820

55.2521, 0.2421,
0.2653

73.0259, 0.2744,
0.2974

47.8190, 0.2268,
0.2476

83.4473, 0.2906,
0.3115

41.2957, 0.2127,
0.2292

94.9411, 0.3064,
0.3242

35.6318, 0.2005,
0.2106

99.9972, 0.3127,
0.3290

■ 30.7702, 0.1903,
0.1921

■ 26.6429, 0.1826,
0.1744

■ 24.4971, 0.1790,
0.1643

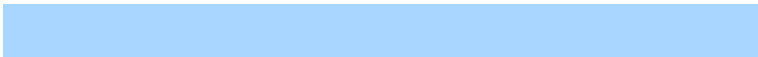
Harmonies

Analogous

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



63.6380, 0.2530, 0.3005



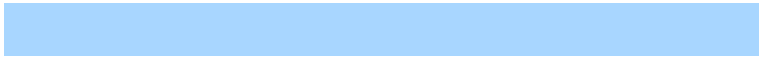
63.6380, 0.2581, 0.2820



63.6380, 0.2772, 0.2764

Triad

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



63.6380, 0.2581, 0.2820



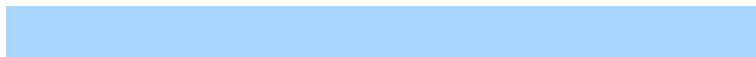
63.6380, 0.3650, 0.3259



63.6380, 0.3164, 0.3806

Complementary

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



63.6380, 0.2581, 0.2820



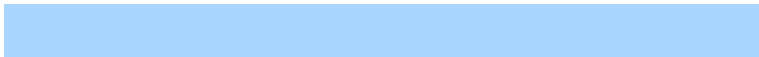
69.6772, 0.3791, 0.3715

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.



63.6380, 0.3473, 0.3859



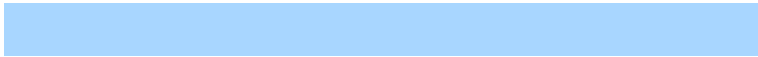
63.6380, 0.2581, 0.2820



63.6380, 0.3764, 0.3524

Square

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



63.6380, 0.2581, 0.2820



63.6380, 0.3388, 0.3013



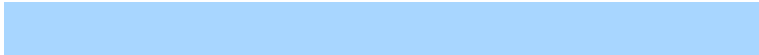
63.6380, 0.3696, 0.3747



63.6380, 0.2856, 0.3590

Rectangle

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



63.6380, 0.2581, 0.2820



63.6380, 0.2959, 0.2799



63.6380, 0.3696, 0.3747



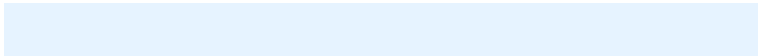
63.6380, 0.3271, 0.3844

Sweetspot

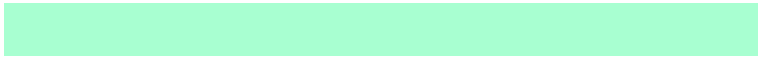
The Sweet Spot groups the original color and five complimentary colors.



63.6405, 0.2581, 0.2820



88.0526, 0.2971, 0.3169



84.4052, 0.2870, 0.3823



18.5063, 0.2949, 0.3151



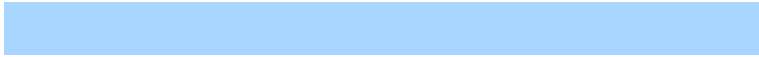
0.0000, 0.0000, 0.0000



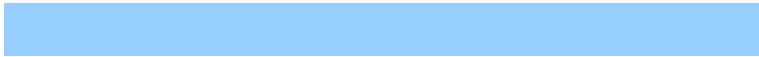
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6405, 0.2581, 0.2820



57.7636, 0.2470, 0.2706



44.6471, 0.2513, 0.2301



18.9680, 0.2979, 0.3175



13.1067, 0.1798, 0.1671



1.4950, 0.1852, 0.1869

Inverse Universe

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



54.1259, 0.3509, 0.2819



47.6601, 0.3617, 0.2722



93.7389, 0.3652, 0.4118



18.1476, 0.3211, 0.3165



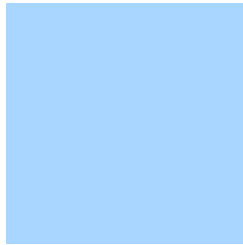
12.0511, 0.4842, 0.2441



1.1955, 0.4604, 0.2310

Previews

White Background



This preview shows how the Yxy color 63.6380, 0.2581, 0.2820 looks on a white background.

Color Contrast Check

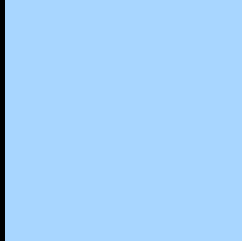
Large Text (above 18pt) WCAG AA × Fail

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 63.6380, 0.2581, 0.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

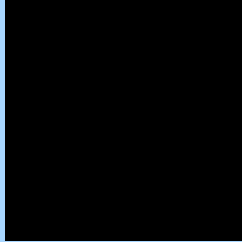
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

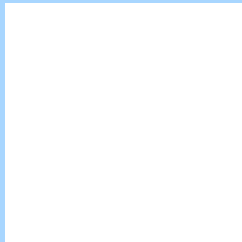
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6380, 0.2581, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 63.6380, 0.2581, 0.2820.



This preview shows how white text looks on a background with the Yxy color 63.6380, 0.2581, 0.2820.

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

63.6380, 0.2581, 0.2820

Protanopia

63.1869, 0.2790, 0.2803

Deuteranopia

63.2431, 0.2792, 0.2735



Tritanopia

63.4104, 0.2662, 0.3074

Trichromacy



Original Color

63.6380, 0.2581, 0.2820

Protanomaly

63.3206, 0.2710, 0.2808

Deuteranomaly

63.4081, 0.2711, 0.2768

Tritanomaly

63.5219, 0.2635, 0.2983

Monochromacy



Original Color

63.6380, 0.2581, 0.2820

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 63.6380, 0.2581, 0.2820 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(168, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 214, 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(168, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.6380, 0.2581, 0.2820 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(168, 214, 255) }
```

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

```
.border{ border-color:rgb(168, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6380, 0.2581, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 214, 255) }
```

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

```
.background{ background-color: rgb(168,  
214, 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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