

Converting Colors

Yxy(64.2355, 0.2640, 0.2813)

Have a look what the booklet for
Yxy(64.2355, 0.2640, 0.2813)
contains.

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Color

Yxy(64.3922, 0.2643, 0.2816)

Conversions

Conversions Part 1

Format	Color
Hex	B3D5FF
RGB	179, 213, 255
RGB Percent	70%, 84%, 100%
CMY	0.2979, 0.1647, 0.0001
CMYK	0.30, 0.16, 0.00, 0.00
HSL	213°, 100%, 85%
HSV	213°, 30%, 100%
XYZ	60.4363, 64.3922, 103.8370
YIQ	207.6220, -33.7460, 5.8540

Conversions

Conversions Part 2

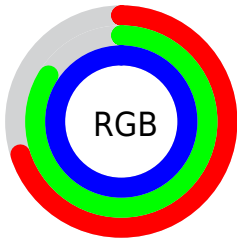
Format	Color
R _Y B	179, 202, 255
Decimal	11785727
CIE Lab	84.17, -1.81, -24.16
CIE LCh	84, 24.223, 265.714
Yxy	64.3922, 0.2643, 0.2816
Android (android.graphics.Color)	4289975807 (0xFFB3D5FF)
YUV	207.6220, 23.3574, -25.1015
Hunter-Lab	80.2448, -5.9911, -20.5501

Details

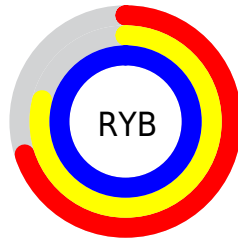
The Yxy color **64.3922, 0.2643, 0.2816** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **76.2304, 0.3672, 0.3721**, and the grayscale version is **62.6854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **32.8160, 0.2525, 0.2697** is the 20% darker color. If you saturate the color by 10%, you get **54.8471, 0.2473, 0.2624**, and if you desaturate by 10%, it is **75.1203, 0.2811, 0.2992**.

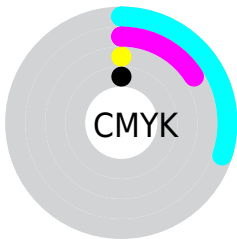
Distribution



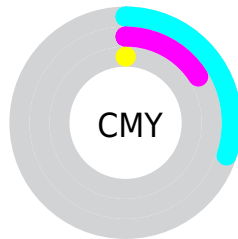
- Red (70%)
- Green (84%)
- Blue (100%)



- Red (70%)
- Yellow (79%)
- Blue (100%)



- Cyan (30%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3922, 0.2643, 0.2816 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 64.3922, 0.2643, 0.2816 by changing the saturation by 10% instead.

■ 64.3922, 0.2643,
0.2816

■ 64.3922, 0.2643,
0.2816

440.6046, 0.2868,
0.3038

■ 46.9684, 0.2592,
0.2765

■ 111.1756, 0.2721,
0.2893

■ 33.0107, 0.2528,
0.2702

141.3039, 0.2752,
0.2923

■ 22.1346, 0.2448,
0.2622

176.4360, 0.2778,
0.2949

■ 13.9559, 0.2344,
0.2518

216.9560, 0.2801,
0.2971

■ 8.0900, 0.2203,
0.2377

263.2485, 0.2821,
0.2991

■ 4.1526, 0.2005,
0.2177

315.6978, 0.2838,

■ 1.7593, 0.1710,

0.3008

0.1876

374.6884, 0.2854,
0.3024

0.4616, 0.1083,
0.1268

0.0000, 0.0000,
0.0000

64.3922, 0.2643,
0.2816

64.3922, 0.2643,
0.2816

54.8471, 0.2473,
0.2624

75.1203, 0.2811,
0.2992

46.4307, 0.2306,
0.2419

87.0675, 0.2975,
0.3151

39.0954, 0.2148,
0.2205

99.9990, 0.3127,
0.3290

32.7862, 0.2006,
0.1986

■ 27.4421, 0.1884,
0.1771

■ 22.9927, 0.1787,
0.1565

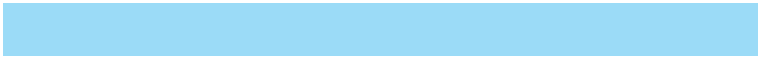
■ 19.3357, 0.1716,
0.1376

■ 19.2651, 0.1715,
0.1372

Harmonies

Analogous

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



64.3922, 0.2557, 0.2962



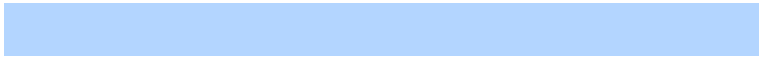
64.3922, 0.2643, 0.2816



64.3922, 0.2856, 0.2795

Triad

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



64.3922, 0.2643, 0.2816



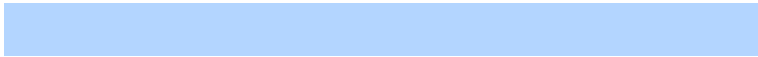
64.3922, 0.3669, 0.3329



64.3922, 0.3082, 0.3738

Complementary

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



64.3922, 0.2643, 0.2816



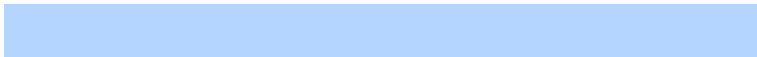
76.2304, 0.3672, 0.3721

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.



64.3922, 0.3384, 0.3833



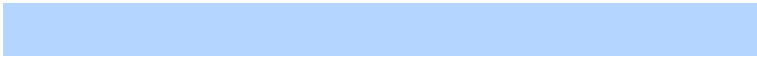
64.3922, 0.2643, 0.2816



64.3922, 0.3732, 0.3577

Square

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



64.3922, 0.2643, 0.2816



64.3922, 0.3451, 0.3084



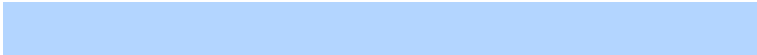
64.3922, 0.3625, 0.3766



64.3922, 0.2801, 0.3503

Rectangle

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



64.3922, 0.2643, 0.2816



64.3922, 0.3047, 0.2848



64.3922, 0.3625, 0.3766



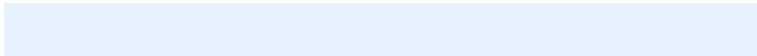
64.3922, 0.3184, 0.3788

Sweetspot

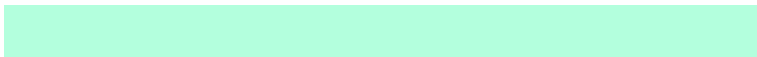
The Sweet Spot groups the original color and five complimentary colors.



64.3947, 0.2643, 0.2816



88.0762, 0.2987, 0.3163



86.3067, 0.2866, 0.3672



18.4601, 0.2964, 0.3141



0.0000, 0.0000, 0.0000



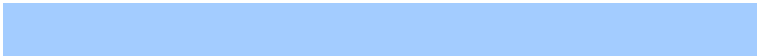
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3947, 0.2643, 0.2816



58.3375, 0.2537, 0.2699



49.5152, 0.2624, 0.2421



18.7154, 0.2979, 0.3155



10.3555, 0.1723, 0.1402



1.2224, 0.1783, 0.1620

Inverse Universe

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



58.3117, 0.3499, 0.2942



51.8976, 0.3607, 0.2866



95.3096, 0.3553, 0.4044



18.1221, 0.3224, 0.3184



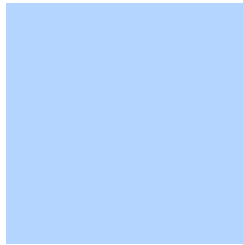
11.7734, 0.5188, 0.2631



1.1680, 0.4906, 0.2476

Previews

White Background



This preview shows how the Yxy color 64.3922, 0.2643, 0.2816 looks on a white background.

Color Contrast Check

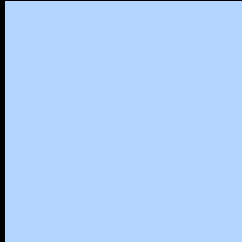
Large Text (above 18pt) WCAG AA × Fail

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 64.3922, 0.2643, 0.2816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

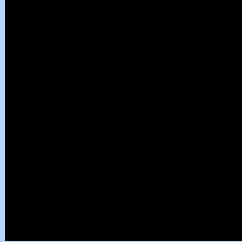
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

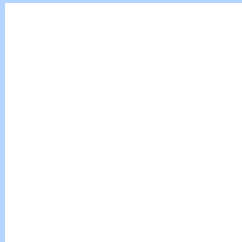
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3922, 0.2643, 0.2816

Background



This preview shows how black text looks on a background with the Yxy color 64.3922, 0.2643, 0.2816.



This preview shows how white text looks on a background with the Yxy color 64.3922, 0.2643, 0.2816.

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

64.3922, 0.2643, 0.2816

Protanopia

64.3561, 0.2792, 0.2817

Deuteranopia

64.0045, 0.2806, 0.2749



Tritanopia

64.5649, 0.2733, 0.3090

Trichromacy



Original Color

64.3922, 0.2643, 0.2816

Protanomaly

64.3279, 0.2736, 0.2823

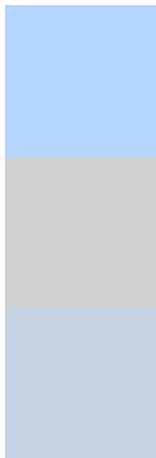
Deuteranomaly

64.0675, 0.2742, 0.2773

Tritanomaly

64.7526, 0.2699, 0.2989

Monochromacy



Original Color

64.3922, 0.2643, 0.2816

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.3997, 0.2933, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3922, 0.2643, 0.2816 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(179, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3922, 0.2643, 0.2816 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(179, 213, 255) }
```

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

```
.border{ border-color:rgb(179, 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(179, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 213,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3922, 0.2643, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 213, 255) }
```

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

```
.background{ background-color: rgb(179,  
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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