

Converting Colors

Yxy(66.9852, 0.2456, 0.2437)

Have a look what the booklet for
Yxy(66.9852, 0.2456, 0.2437)
contains.

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Color

Yxy(64.0103, 0.2647, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	B4D4FF
RGB	180, 212, 255
RGB Percent	71%, 83%, 100%
CMY	0.2944, 0.1685, 0.0000
CMYK	0.29, 0.17, 0.00, 0.00
HSL	214°, 100%, 85%
HSV	214°, 29%, 100%
XYZ	60.4047, 64.0103, 103.7857
YIQ	207.3340, -32.8750, 6.5890

Conversions

Conversions Part 2

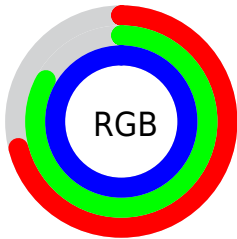
Format	Color
R _Y B	180, 202, 255
Decimal	11851007
CIE Lab	83.97, -1.03, -24.46
CIE LCh	84, 24.487, 267.590
Yxy	64.0103, 0.2647, 0.2805
Android (android.graphics.Color)	4290041087 (0xFFB4D4FF)
YUV	207.3340, 23.4993, -23.9719
Hunter-Lab	80.0064, -5.2441, -20.9075

Details

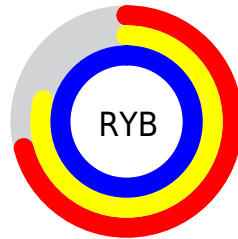
The Yxy color **64.0103, 0.2647, 0.2805** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.2815, 0.3660, 0.3730**, and the grayscale version is **62.4786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **32.8909, 0.2533, 0.2698** is the 20% darker color. If you saturate the color by 10%, you get **54.2561, 0.2475, 0.2607**, and if you desaturate by 10%, it is **74.9915, 0.2817, 0.2987**.

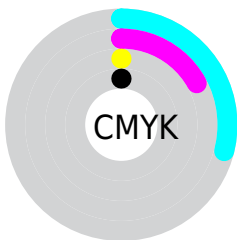
Distribution



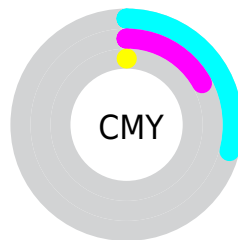
- Red (71%)
- Green (83%)
- Blue (100%)



- Red (71%)
- Yellow (79%)
- Blue (100%)



- Cyan (29%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0103, 0.2647, 0.2805 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 64.0103, 0.2647, 0.2805 by changing the saturation by 10% instead.

■ 64.0103, 0.2647,
0.2805

■ 64.0103, 0.2647,
0.2805

439.2268, 0.2871,
0.3032

■ 46.6590, 0.2596,
0.2753

■ 110.6258, 0.2725,
0.2884

■ 32.7662, 0.2533,
0.2689

140.6587, 0.2755,
0.2915

■ 21.9474, 0.2453,
0.2607

175.6877, 0.2781,
0.2941

■ 13.8182, 0.2349,
0.2501

216.0972, 0.2804,
0.2964

■ 7.9944, 0.2209,
0.2358

262.2714, 0.2823,
0.2984

■ 4.0913, 0.2011,
0.2154

314.5948, 0.2841,

■ 1.7248, 0.1715,

0.3002

0.1848

373.4518, 0.2857,
0.3018

0.4396, 0.1087,
0.1217

0.0000, 0.0000,
0.0000

64.0103, 0.2647,
0.2805

64.0103, 0.2647,
0.2805

54.2561, 0.2475,
0.2607

74.9915, 0.2817,
0.2987

45.6745, 0.2306,
0.2394

87.2390, 0.2980,
0.3151

38.2156, 0.2145,
0.2172

100.0000, 0.3127,
0.3290

31.8226, 0.1998,
0.1946

■ 26.4324, 0.1873,
0.1724

■ 21.9726, 0.1774,
0.1513

■ 18.3420, 0.1701,
0.1321

■ 18.1569, 0.1697,
0.1311

Harmonies

Analogous

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



64.0103, 0.2551, 0.2945



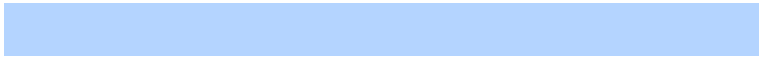
64.0103, 0.2647, 0.2805



64.0103, 0.2869, 0.2792

Triad

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



64.0103, 0.2647, 0.2805



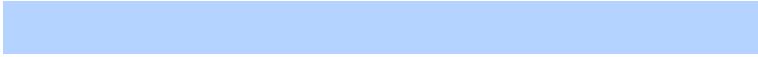
64.0103, 0.3685, 0.3345



64.0103, 0.3062, 0.3733

Complementary

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



64.0103, 0.2647, 0.2805



77.2815, 0.3660, 0.3730

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.



64.0103, 0.3369, 0.3839



64.0103, 0.2647, 0.2805



64.0103, 0.3738, 0.3594

Square

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



64.0103, 0.2647, 0.2805



64.0103, 0.3473, 0.3096



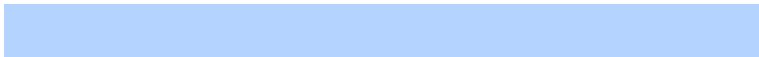
64.0103, 0.3619, 0.3780



64.0103, 0.2782, 0.3488

Rectangle

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



64.0103, 0.2647, 0.2805



64.0103, 0.3065, 0.2851



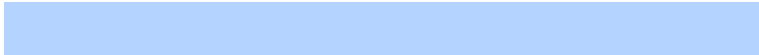
64.0103, 0.3619, 0.3780



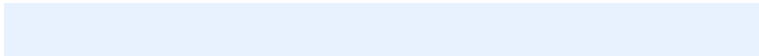
64.0103, 0.3165, 0.3787

Sweetspot

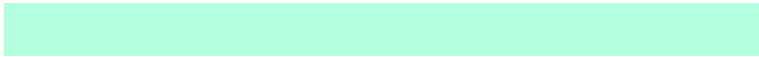
The Sweet Spot groups the original color and five complimentary colors.



64.0123, 0.2647, 0.2805



87.8050, 0.2987, 0.3158



86.5145, 0.2863, 0.3652



18.3935, 0.2964, 0.3135



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.



64.0123, 0.2647, 0.2805



58.4379, 0.2552, 0.2697



50.1421, 0.2639, 0.2435



18.6544, 0.2979, 0.3150



9.7693, 0.1706, 0.1341



1.1627, 0.1767, 0.1561

Inverse Universe

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



58.6300, 0.3506, 0.2961



52.7964, 0.3605, 0.2896



95.1357, 0.3540, 0.4037



18.1160, 0.3227, 0.3189



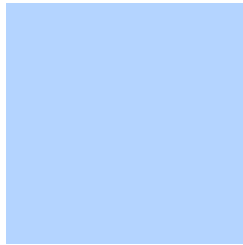
11.7142, 0.5271, 0.2677



1.1619, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 64.0103, 0.2647, 0.2805 looks on a white background.

Color Contrast Check

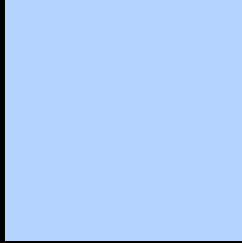
Large Text (above 18pt) WCAG AA × Fail

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 64.0103, 0.2647, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

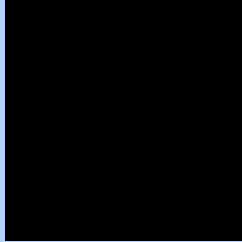
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

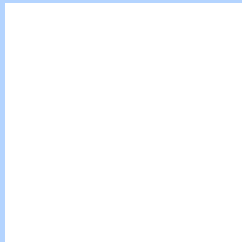
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0103, 0.2647, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 64.0103, 0.2647, 0.2805.



This preview shows how white text looks on a background with the Yxy color 64.0103, 0.2647, 0.2805.

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

64.0103, 0.2647, 0.2805

Protanopia

63.7960, 0.2779, 0.2794

Deuteranopia

63.8618, 0.2799, 0.2748



Tritanopia

64.1089, 0.2744, 0.3089

Trichromacy



Original Color

64.0103, 0.2647, 0.2805

Protanomaly

63.8992, 0.2729, 0.2801

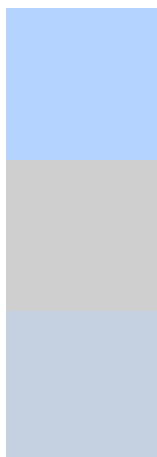
Deuteranomaly

64.0675, 0.2742, 0.2773

Tritanomaly

64.2989, 0.2710, 0.2988

Monochromacy



Original Color

64.0103, 0.2647, 0.2805

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.8531, 0.2940, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0103, 0.2647, 0.2805 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(180, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 212, 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(180, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.0103, 0.2647, 0.2805 is called "border". The border property can be set on classes, ids or directly on the HTML element.

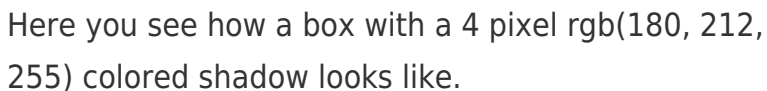
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 212, 255) }
```

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

```
.border{ border-color:rgb(180, 212, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0103, 0.2647, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 212, 255) }
```

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

```
.background{ background-color: rgb(180,  
212, 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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