

Converting Colors

Yxy(64.4943, 0.2634, 0.2821)

Have a look what the booklet for
Yxy(64.4943, 0.2634, 0.2821)
contains.

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Color

Yxy(64.6602, 0.2632, 0.2826)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B1D6FF |
| RGB | 177, 214, 255 |
| RGB Percent | 69%, 84%, 100% |
| CMY | 0.3061, 0.1607, 0.0000 |
| CMYK | 0.31, 0.16, 0.00, 0.00 |
| HSL | 212°, 100%, 85% |
| HSV | 212°, 31%, 100% |
| XYZ | 60.2214, 64.6602, 103.9231 |
| YIQ | 207.6110, -35.2130, 4.9070 |

Conversions

Conversions Part 2

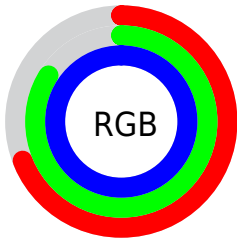
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 177, 202, 255 |
| Decimal | 11654911 |
| CIELab | 84.31, -2.92, -23.97 |
| CIELCh | 84, 24.147, 263.058 |
| Yxy | 64.6602, 0.2632, 0.2826 |
| Android (android.graphics.Color) | 4289844991 (0xFFB1D6FF) |
| YUV | 207.6110, 23.3628, -26.8458 |
| Hunter-Lab | 80.4116, -7.0390, -20.3377 |

Details

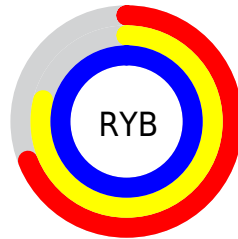
The Yxy color **64.6602, 0.2632, 0.2826** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.5458, 0.3696, 0.3712**, and the grayscale version is **62.6708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **33.0111, 0.2513, 0.2710** is the 20% darker color. If you saturate the color by 10%, you get **55.4402, 0.2465, 0.2644**, and if you desaturate by 10%, it is **75.0006, 0.2799, 0.2994**.

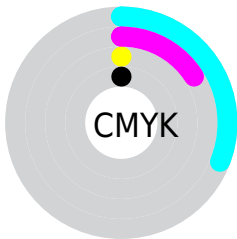
Distribution



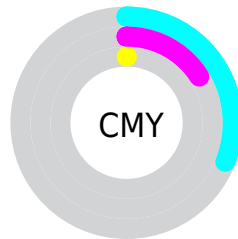
- Red (69%)
- Green (84%)
- Blue (100%)



- Red (69%)
- Yellow (79%)
- Blue (100%)



- Cyan (31%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6602, 0.2632, 0.2826 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 64.6602, 0.2632, 0.2826 by changing the saturation by 10% instead.

■ 64.6602, 0.2632,
0.2826

■ 64.6602, 0.2632,
0.2826

441.5699, 0.2862,
0.3044

■ 47.1856, 0.2580,
0.2776

■ 111.5612, 0.2712,
0.2902

■ 33.1824, 0.2515,
0.2714

141.7564, 0.2743,
0.2931

■ 22.2662, 0.2433,
0.2636

176.9605, 0.2770,
0.2956

■ 14.0526, 0.2328,
0.2533

217.5581, 0.2793,
0.2978

■ 8.1573, 0.2185,
0.2394

263.9334, 0.2813,
0.2998

■ 4.1958, 0.1985,
0.2197

316.4708, 0.2831,

■ 1.7837, 0.1686,

0.3015

0.1898

375.5549, 0.2848,
0.3030

0.4770, 0.1046,
0.1306

0.0000, 0.0000,
0.0000

64.6602, 0.2632,
0.2826

64.6602, 0.2632,
0.2826

55.4402, 0.2465,
0.2644

75.0006, 0.2799,
0.2994

47.2905, 0.2302,
0.2448

86.4976, 0.2962,
0.3146

40.1649, 0.2149,
0.2244

99.1924, 0.3118,
0.3282

34.0105, 0.2012,
0.2036

100.0000, 0.3127,
0.3290

■ 28.7685, 0.1895,
0.1831

■ 24.3705, 0.1804,
0.1634

■ 20.9143, 0.1739,
0.1461

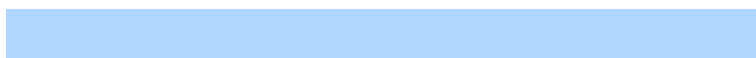
Harmonies

Analogous

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



64.6602, 0.2558, 0.2982



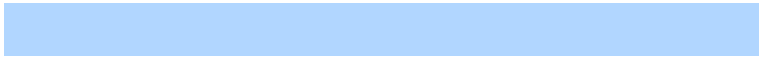
64.6602, 0.2632, 0.2826



64.6602, 0.2834, 0.2794

Triad

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



64.6602, 0.2632, 0.2826



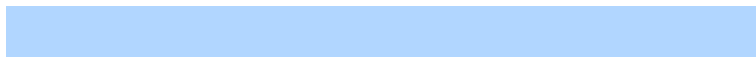
64.6602, 0.3652, 0.3306



64.6602, 0.3109, 0.3751

Complementary

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



64.6602, 0.2632, 0.2826



74.5458, 0.3696, 0.3712

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.



64.6602, 0.3408, 0.3831



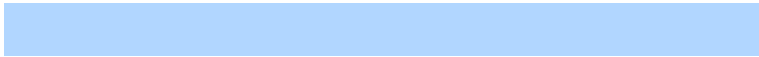
64.6602, 0.2632, 0.2826



64.6602, 0.3731, 0.3555

Square

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



64.6602, 0.2632, 0.2826



64.6602, 0.3425, 0.3065



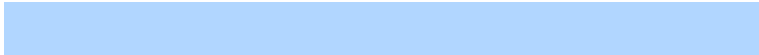
64.6602, 0.3638, 0.3751



64.6602, 0.2825, 0.3527

Rectangle

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



64.6602, 0.2632, 0.2826



64.6602, 0.3020, 0.2840



64.6602, 0.3638, 0.3751



64.6602, 0.3211, 0.3796

Sweetspot

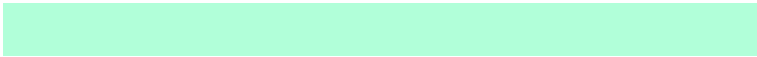
The Sweet Spot groups the original color and five complimentary colors.



64.6620, 0.2632, 0.2826



88.4538, 0.2987, 0.3169



85.8863, 0.2873, 0.3714



18.5530, 0.2964, 0.3148



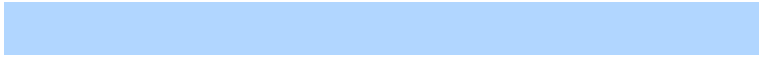
0.0000, 0.0000, 0.0000



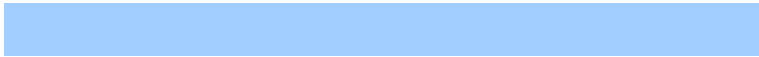
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6620, 0.2632, 0.2826



58.6389, 0.2525, 0.2711



48.1426, 0.2590, 0.2390



18.8004, 0.2979, 0.3162



11.2224, 0.1748, 0.1491



1.3096, 0.1806, 0.1703

Inverse Universe

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



57.5429, 0.3494, 0.2910



51.0571, 0.3600, 0.2828



95.7067, 0.3582, 0.4060



18.1307, 0.3219, 0.3178



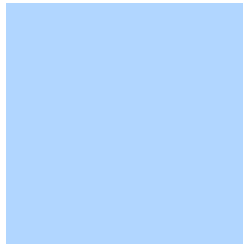
11.8609, 0.5071, 0.2567



1.1767, 0.4803, 0.2420

Previews

White Background



This preview shows how the Yxy color 64.6602, 0.2632, 0.2826 looks on a white background.

Color Contrast Check

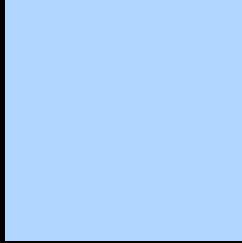
Large Text (above 18pt) WCAG AA × Fail

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 64.6602, 0.2632, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

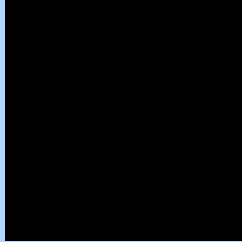
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

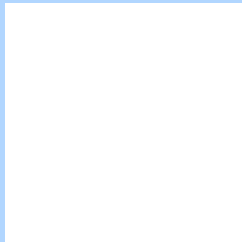
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6602, 0.2632, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 64.6602, 0.2632, 0.2826.



This preview shows how white text looks on a background with the Yxy color 64.6602, 0.2632, 0.2826.

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

64.6602, 0.2632, 0.2826

Protanopia

64.4943, 0.2799, 0.2818

Deuteranopia

64.6280, 0.2813, 0.2761



Tritanopia

64.3945, 0.2716, 0.3077

Trichromacy



Original Color

64.6602, 0.2632, 0.2826

Protanomaly

64.3279, 0.2736, 0.2823

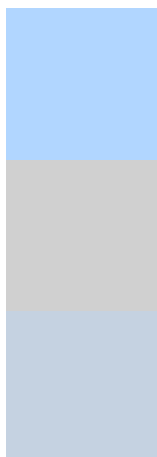
Deuteranomaly

64.5567, 0.2743, 0.2784

Tritanomaly

64.5212, 0.2687, 0.2988

Monochromacy



Original Color

64.6602, 0.2632, 0.2826

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 64.6602, 0.2632, 0.2826 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(177, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.6602, 0.2632, 0.2826 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(177, 214, 255) }
```

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

```
.border{ border-color:rgb(177, 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(177, 214, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6602, 0.2632, 0.2826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 214, 255) }
```

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

```
.background{ background-color: rgb(177,  
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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