

# Converting Colors

$Yxy(67.2341, 0.2629, 0.2888)$

Have a look what the booklet for  
Yxy(67.2341, 0.2629, 0.2888)  
contains.

|  |    |
|--|----|
| <b>Yxy(66.9970, 0.2628, 0.2883)</b> .....      | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 27 |
| <b><i>CSS Examples</i></b> .....               | 30 |

# Color

**Yxy(66.9970, 0.2628, 0.2883)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | AFDBFF                     |
| RGB         | 175, 219, 255              |
| RGB Percent | 69%, 86%, 100%             |
| CMY         | 0.3135, 0.1412, 0.0000     |
| CMYK        | 0.31, 0.14, 0.00, 0.00     |
| HSL         | 207°, 100%, 84%            |
| HSV         | 207°, 31%, 100%            |
| XYZ         | 61.0711, 66.9970, 104.3183 |
| YIQ         | 209.9480, -37.7800, 1.8680 |

# Conversions

## Conversions Part 2

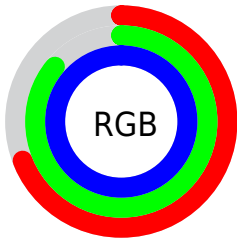
| <b>Format</b>                       | <b>Color</b>   |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">175, 203, 255</a>                                |
| Decimal                             | <a href="#">11525119</a>                                     |
| CIELab                              | <a href="#">85.50, -6.06, -22.16</a>                         |
| CIELCh                              | <a href="#">86, 22.973, 254.718</a>                          |
| Yxy                                 | <a href="#">66.9970, 0.2628, 0.2883</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4289715199</a><br>( <a href="#">0xFFAFDBFF</a> ) |
| YUV                                 | <a href="#">209.9480, 22.2106, -30.6494</a>                  |
| Hunter-Lab                          | <a href="#">81.8517, -10.0581, -18.2677</a>                  |

# Details

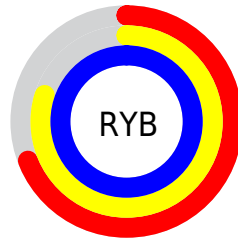
The Yxy color **66.9970, 0.2628, 0.2883** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.9843, 0.3731, 0.3663**, and the grayscale version is **64.2924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **34.6212, 0.2511, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **58.5326, 0.2469, 0.2727**, and if you desaturate by 10%, it is **76.4376, 0.2790, 0.3027**.

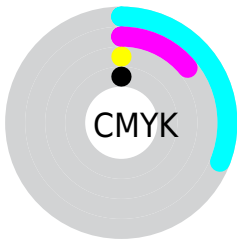
# Distribution



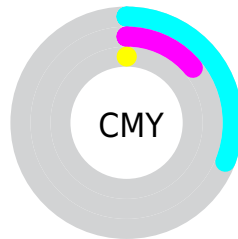
- Red (69%)
- Green (86%)
- Blue (100%)



- Red (69%)
- Yellow (80%)
- Blue (100%)



- Cyan (31%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9970, 0.2628, 0.2883 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 66.9970, 0.2628, 0.2883 by changing the saturation by 10% instead.




 66.9970, 0.2628,  
0.2883

 66.9970, 0.2628,  
0.2883


449.9341, 0.2858,  
0.3074

 49.0822, 0.2576,  
0.2839


 114.9161, 0.2708,  
0.2950

 34.6847, 0.2512,  
0.2784


145.6892, 0.2739,  
0.2976

 23.4201, 0.2431,  
0.2715


181.5172, 0.2765,  
0.2998

 14.9040, 0.2327,  
0.2624

222.7844, 0.2789,  
0.3017

 8.7520, 0.2187,  
0.2500

269.8754, 0.2809,  
0.3034

 4.5798, 0.1992,  
0.2324

323.1743, 0.2827,

 2.0029, 0.1703,

0.3049

0.2054

383.0658, 0.2844,  
0.3062

0.6092, 0.1114,  
0.1574

0.0000, 0.0000,  
0.0000

66.9970, 0.2628,  
0.2883

66.9970, 0.2628,  
0.2883

58.5326, 0.2469,  
0.2727

76.4376, 0.2790,  
0.3027

50.9966, 0.2316,  
0.2561

86.8833, 0.2950,  
0.3158

44.3487, 0.2174,  
0.2387

98.3717, 0.3107,  
0.3275

38.5414, 0.2049,  
0.2209

99.9999, 0.3127,  
0.3290

■ 33.5209, 0.1945,  
0.2032

■ 29.2244, 0.1863,  
0.1859

■ 26.0117, 0.1810,  
0.1715

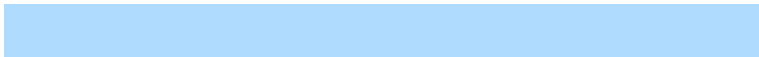
# Harmonies

## Analogous

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



66.9970, 0.2595, 0.3061



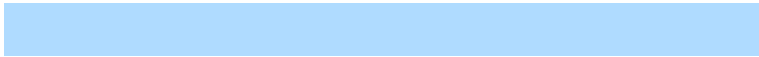
66.9970, 0.2628, 0.2883



66.9970, 0.2788, 0.2819

# Triad

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



66.9970, 0.2628, 0.2883



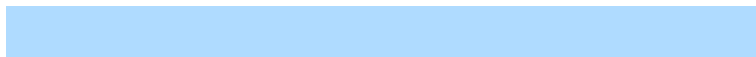
66.9970, 0.3573, 0.3240



66.9970, 0.3191, 0.3758

# Complementary

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



66.9970, 0.2628, 0.2883



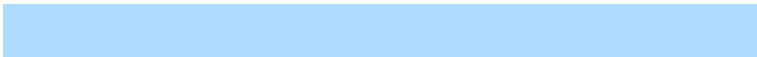
70.9843, 0.3731, 0.3663

# 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.



66.9970, 0.3461, 0.3792



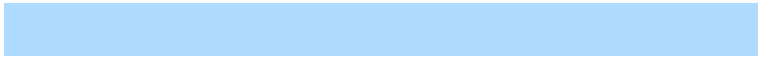
66.9970, 0.2628, 0.2883



66.9970, 0.3690, 0.3478

# Square

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



66.9970, 0.2628, 0.2883



66.9970, 0.3332, 0.3023



66.9970, 0.3647, 0.3682

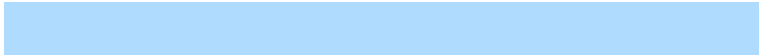


66.9970, 0.2912, 0.3580



# Rectangle

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



66.9970, 0.2628, 0.2883



66.9970, 0.2951, 0.2842



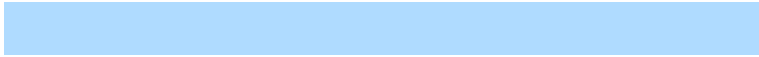
66.9970, 0.3647, 0.3682



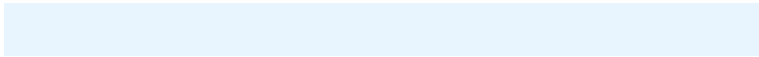
66.9970, 0.3286, 0.3787

# Sweetspot

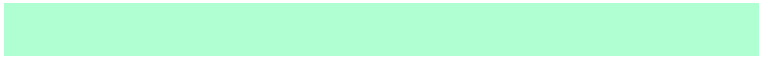
The Sweet Spot groups the original color and five complimentary colors.



66.9996, 0.2628, 0.2883



89.4841, 0.2987, 0.3186



85.3459, 0.2895, 0.3789



18.8066, 0.2964, 0.3169



0.0000, 0.0000, 0.0000

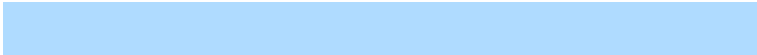


21.4041, 0.3127, 0.3290

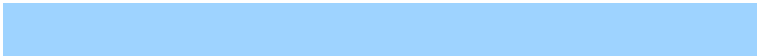


# Same Dimension

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



66.9996, 0.2628, 0.2883



61.2602, 0.2521, 0.2781



48.6080, 0.2571, 0.2409



19.0325, 0.2979, 0.3180



13.8945, 0.1817, 0.1742



1.5712, 0.1870, 0.1933



# Inverse Universe

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



57.0602, 0.3455, 0.2842



50.4684, 0.3550, 0.2744



93.3532, 0.3613, 0.4040



18.1541, 0.3208, 0.3160



12.1306, 0.4755, 0.2393

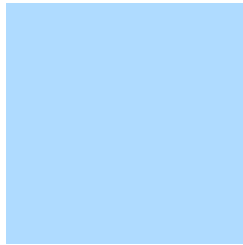


1.2032, 0.4529, 0.2269



# Previews

## White Background



This preview shows how the Yxy color 66.9970, 0.2628, 0.2883 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

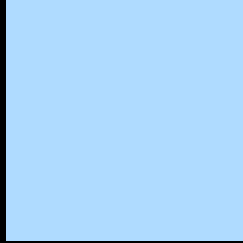
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9970, 0.2628, 0.2883 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

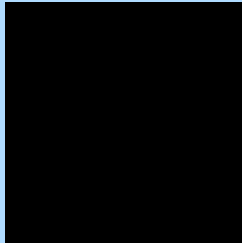
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

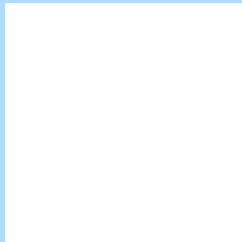
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.9970, 0.2628, 0.2883**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9970, 0.2628, 0.2883.



This preview shows how white text looks on a background with the Yxy color 66.9970, 0.2628, 0.2883.

# 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

66.9970, 0.2628, 0.2883

### Protanopia

66.6125, 0.2840, 0.2866

### Deuteranopia

66.8180, 0.2848, 0.2799



## Tritanopia

67.2452, 0.2699, 0.3092

# Trichromacy



## Original Color

66.9970, 0.2628, 0.2883

## Protanomaly

66.7235, 0.2759, 0.2871

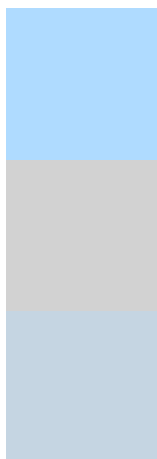
## Deuteranomaly

66.9506, 0.2766, 0.2832

## Tritanomaly

67.1897, 0.2672, 0.3013

# Monochromacy



## Original Color

66.9970, 0.2628, 0.2883

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.9498, 0.2928, 0.3141

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9970, 0.2628, 0.2883 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(175, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 219, 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(175, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 219, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9970, 0.2628, 0.2883 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(175, 219, 255) }
```

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

```
.border{ border-color:rgb(175, 219, 255) }
```

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

Here you see how a box with a 4 pixel rgb(175, 219, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 219,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9970, 0.2628, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 219, 255) }
```

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

```
.background{ background-color: rgb(175,  
219, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor