

# Converting Colors

$Yxy(63.0855, 0.2687, 0.2745)$

Have a look what the booklet for  
Yxy(63.0855, 0.2687, 0.2745)  
contains.

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# Color

**Yxy(63.1506, 0.2698, 0.2766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDD0FF
RGB	189, 208, 255
RGB Percent	74%, 82%, 100%
CMY	0.2587, 0.1843, 0.0000
CMYK	0.26, 0.18, 0.00, 0.00
HSL	223°, 100%, 87%
HSV	223°, 26%, 100%
XYZ	61.5981, 63.1506, 103.5615
YIQ	207.6770, -26.4110, 10.5890

# Conversions

## Conversions Part 2

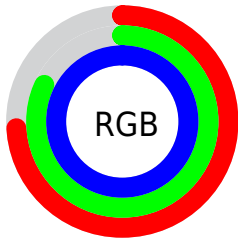
Format	Color
R <sub>Y</sub> B	189, 204, 255
Decimal	12439807
CIE Lab	83.52, 3.72, -25.10
CIE LCh	84, 25.373, 278.432
Yxy	63.1506, 0.2698, 0.2766
Android (android.graphics.Color)	4290629887 (0xFFBDD0FF)
YUV	207.6770, 23.3302, -16.3797
Hunter-Lab	79.4674, -0.7059, -21.6393

# Details

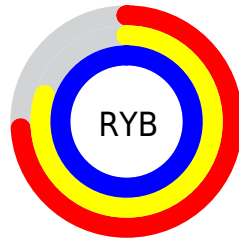
The Yxy color **63.1506, 0.2698, 0.2766** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.9433, 0.3564, 0.3764**, and the grayscale version is **62.7189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **32.2568, 0.2592, 0.2648** is the 20% darker color. If you saturate the color by 10%, you get **51.8150, 0.2515, 0.2523**, and if you desaturate by 10%, it is **76.0775, 0.2873, 0.2987**.

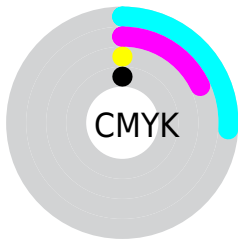
# Distribution



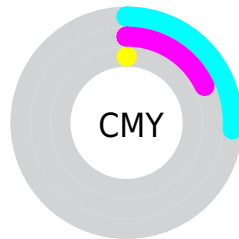
- Red (74%)
- Green (82%)
- Blue (100%)



- Red (74%)
- Yellow (80%)
- Blue (100%)



- Cyan (26%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1506, 0.2698, 0.2766 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 63.1506, 0.2698, 0.2766 by changing the saturation by 10% instead.



■ 63.1506, 0.2698,  
0.2766

■ 63.1506, 0.2698,  
0.2766

436.1158, 0.2900,  
0.3009

■ 45.9631, 0.2652,  
0.2711

■ 109.3868, 0.2768,  
0.2850

■ 32.2167, 0.2594,  
0.2642

139.2041, 0.2796,  
0.2883

■ 21.5270, 0.2521,  
0.2556

174.0003, 0.2819,  
0.2912

■ 13.5098, 0.2426,  
0.2444

214.1595, 0.2839,  
0.2936

■ 7.7805, 0.2296,  
0.2294

260.0663, 0.2857,  
0.2958

■ 3.9548, 0.2111,  
0.2082

312.1051, 0.2873,

■ 1.6483, 0.1831,

0.2977

0.1767

370.6601, 0.2887,  
0.2994

0.3899, 0.1277,  
0.1079

0.0000, 0.0000,  
0.0000

63.1506, 0.2698,  
0.2766

63.1506, 0.2698,  
0.2766

51.8150, 0.2515,  
0.2523

76.0775, 0.2873,  
0.2987

42.0017, 0.2328,  
0.2262

90.6511, 0.3037,  
0.3185

33.6437, 0.2145,  
0.1990

100.0000, 0.3127,  
0.3290

26.6665, 0.1974,  
0.1715

■ 20.9883, 0.1824,  
0.1451

■ 16.5174, 0.1705,  
0.1212

■ 13.1465, 0.1620,  
0.1009

■ 12.0277, 0.1594,  
0.0937

# Harmonies

## Analogous

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



63.1506, 0.2548, 0.2863



63.1506, 0.2698, 0.2766



63.1506, 0.2965, 0.2800

# Triad

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



63.1506, 0.2698, 0.2766



63.1506, 0.3749, 0.3443



63.1506, 0.2946, 0.3673

# Complementary

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



63.1506, 0.2698, 0.2766



84.9433, 0.3564, 0.3764

# 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.



63.1506, 0.3265, 0.3843



63.1506, 0.2698, 0.2766



63.1506, 0.3738, 0.3687

# Square

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



63.1506, 0.2698, 0.2766



63.1506, 0.3582, 0.3178



63.1506, 0.3557, 0.3841



63.1506, 0.2685, 0.3385



# Rectangle

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



63.1506, 0.2698, 0.2766



63.1506, 0.3181, 0.2887



63.1506, 0.3557, 0.3841



63.1506, 0.3050, 0.3747

# Sweetspot

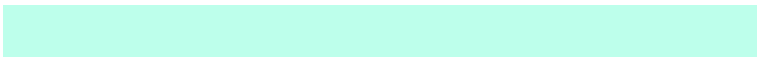
The Sweet Spot groups the original color and five complimentary colors.



63.1522, 0.2698, 0.2766



87.4090, 0.3003, 0.3145



88.3524, 0.2847, 0.3504



18.2284, 0.2979, 0.3116



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.



63.1522, 0.2698, 0.2766



57.1441, 0.2605, 0.2644



56.2139, 0.2769, 0.2565



18.2284, 0.2979, 0.3116



6.5043, 0.1601, 0.0965



0.8107, 0.1662, 0.1182



# Inverse Universe

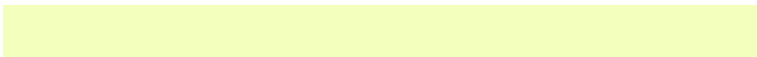
The Inverse Universe completely reimagines the original color for something new.



62.2204, 0.3524, 0.3096



56.3997, 0.3631, 0.3055



94.0381, 0.3431, 0.3959



18.0730, 0.3249, 0.3222



11.3846, 0.5812, 0.2975



1.1264, 0.5492, 0.2799



# Previews

## White Background



This preview shows how the Yxy color 63.1506, 0.2698, 0.2766 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

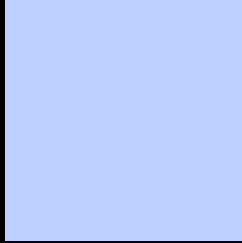
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1506, 0.2698, 0.2766 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

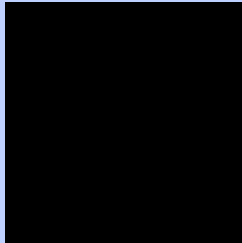
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

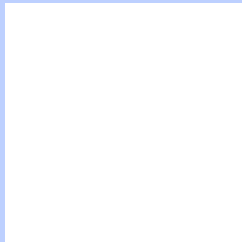
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.1506, 0.2698, 0.2766**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1506, 0.2698, 0.2766.



This preview shows how white text looks on a background with the Yxy color 63.1506, 0.2698, 0.2766.

# 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

63.1506, 0.2698, 0.2766

### Protanopia

63.1687, 0.2753, 0.2761

### Deuteranopia

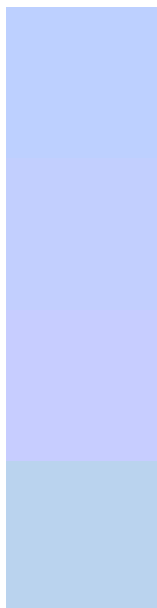
63.2431, 0.2792, 0.2735



## Tritanopia

62.9345, 0.2821, 0.3091

# Trichromacy



## Original Color

63.1506, 0.2698, 0.2766

## Protanomaly

63.2507, 0.2734, 0.2769

## Deuteranomaly

63.0248, 0.2759, 0.2742

## Tritanomaly

63.2007, 0.2780, 0.2979

# Monochromacy



## Original Color

63.1506, 0.2698, 0.2766

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

62.9655, 0.2961, 0.3095

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1506, 0.2698, 0.2766 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(189, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 208, 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(189, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 208, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1506, 0.2698, 0.2766 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(189, 208, 255) }
```

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

```
.border{ border-color:rgb(189, 208, 255) }
```

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

Here you see how a box with a 4 pixel rgb(189, 208, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 208,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1506, 0.2698, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 208, 255) }
```

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

```
.background{ background-color: rgb(189,  
208, 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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