

# Converting Colors

$Yxy(63.9307, 0.2694, 0.2816)$

Have a look what the booklet for  
Yxy(63.9307, 0.2694, 0.2816)  
contains.

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# Color

**Yxy(64.1195, 0.2694, 0.2819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAD3FD
RGB	186, 211, 253
RGB Percent	73%, 83%, 99%
CMY	0.2705, 0.1726, 0.0079
CMYK	0.26, 0.17, 0.00, 0.01
HSL	218°, 94%, 86%
HSV	218°, 26%, 99%
XYZ	61.2763, 64.1195, 102.0590
YIQ	208.3130, -28.3820, 7.7620

# Conversions

## Conversions Part 2

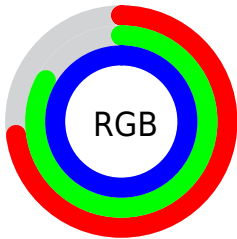
Format	Color
<b>RYB</b>	186, 204, 253
Decimal	12243965
CIELab	84.03, 0.78, -23.27
CIELCh	84, 23.283, 271.927
Yxy	64.1195, 0.2694, 0.2819
Android (android.graphics.Color)	4290434045 (0xFFBAD3FD)
YUV	208.3130, 22.0307, -19.5685
Hunter-Lab	80.0747, -3.5353, -19.5157

# Details

The Yxy color **64.1195, 0.2694, 0.2819** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.9205, 0.3589, 0.3719**, and the grayscale version is **63.1625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **33.0050, 0.2596, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **53.7312, 0.2518, 0.2606**, and if you desaturate by 10%, it is **75.8518, 0.2865, 0.3013**.

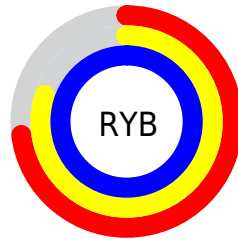
# Distribution



Red (73%)

Green (83%)

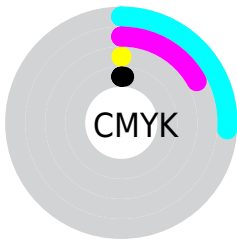
Blue (99%)



Red (73%)

Yellow (80%)

Blue (99%)

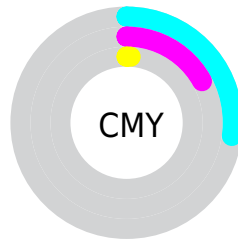


Cyan (26%)

Magenta (17%)

Yellow (0%)

Black (1%)



Cyan (27%)

Magenta (17%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1195, 0.2694, 0.2819 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 64.1195, 0.2694, 0.2819 by changing the saturation by 10% instead.



■ 64.1195, 0.2694,  
0.2819

■ 64.1195, 0.2694,  
0.2819

439.6210, 0.2896,  
0.3039

■ 46.7475, 0.2648,  
0.2769

■ 110.7830, 0.2765,  
0.2895

■ 32.8361, 0.2590,  
0.2707

140.8433, 0.2792,  
0.2925

■ 22.0009, 0.2517,  
0.2628

175.9018, 0.2815,  
0.2951

■ 13.8576, 0.2422,  
0.2525

216.3429, 0.2836,  
0.2973

■ 8.0217, 0.2293,  
0.2387

262.5509, 0.2854,  
0.2992

■ 4.1088, 0.2110,  
0.2190

314.9104, 0.2870,

■ 1.7346, 0.1832,

0.3010

0.1893

373.8056, 0.2884,  
0.3025

0.4459, 0.1259,  
0.1268

0.0000, 0.0000,  
0.0000

64.1195, 0.2694,  
0.2819

64.1195, 0.2694,  
0.2819

53.7312, 0.2518,  
0.2606

75.8518, 0.2865,  
0.3013

44.6271, 0.2341,  
0.2376

88.9692, 0.3027,  
0.3188

36.7541, 0.2169,  
0.2135

99.8707, 0.3139,  
0.3309

30.0516, 0.2010,  
0.1889

■ 24.4531, 0.1871,  
0.1648

■ 19.8835, 0.1759,  
0.1421

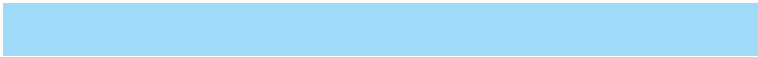
■ 16.2537, 0.1677,  
0.1217

■ 15.1574, 0.1653,  
0.1152

# Harmonies

## Analogous

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



64.1195, 0.2583, 0.2936



64.1195, 0.2694, 0.2819



64.1195, 0.2920, 0.2823

# Triad

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



64.1195, 0.2694, 0.2819



64.1195, 0.3674, 0.3379



64.1195, 0.3024, 0.3683

# Complementary

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



64.1195, 0.2694, 0.2819



79.9205, 0.3589, 0.3719

# 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.



64.1195, 0.3317, 0.3806



64.1195, 0.2694, 0.2819



64.1195, 0.3701, 0.3611

# Square

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



64.1195, 0.2694, 0.2819



64.1195, 0.3492, 0.3138



64.1195, 0.3567, 0.3773



64.1195, 0.2767, 0.3438



# Rectangle

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



64.1195, 0.2694, 0.2819



64.1195, 0.3112, 0.2889



64.1195, 0.3567, 0.3773



64.1195, 0.3121, 0.3741

# Sweetspot

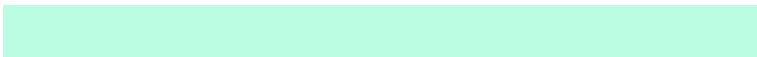
The Sweet Spot groups the original color and five complimentary colors.



64.1221, 0.2694, 0.2819



88.4421, 0.3003, 0.3162



86.2458, 0.2870, 0.3572



18.4874, 0.2979, 0.3137



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.



64.1221, 0.2694, 0.2819



59.2553, 0.2597, 0.2703



53.6705, 0.2720, 0.2539



18.4874, 0.2979, 0.3137



8.3202, 0.1662, 0.1181



1.0113, 0.1724, 0.1406



# Inverse Universe

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



60.7137, 0.3488, 0.3033



55.6523, 0.3590, 0.2976



93.2289, 0.3475, 0.3966



18.0991, 0.3235, 0.3202



11.5679, 0.5493, 0.2800

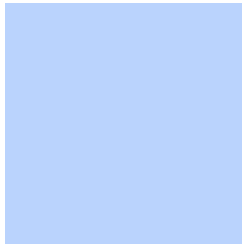


1.1466, 0.5183, 0.2629



# Previews

## White Background



This preview shows how the Yxy color 64.1195, 0.2694, 0.2819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

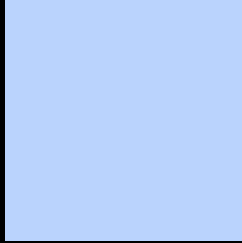
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1195, 0.2694, 0.2819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

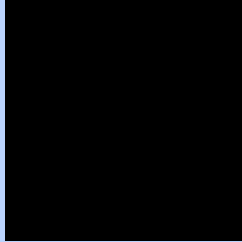
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

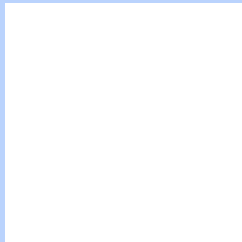
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.1195, 0.2694, 0.2819**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1195, 0.2694, 0.2819.



This preview shows how white text looks on a background with the Yxy color 64.1195, 0.2694, 0.2819.

# 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

64.1195, 0.2694, 0.2819

### Protanopia

63.8071, 0.2797, 0.2816

### Deuteranopia

64.0838, 0.2819, 0.2760



## Tritanopia

64.3722, 0.2793, 0.3091

# Trichromacy



**Original Color**

64.1195, 0.2694, 0.2819

**Protanomaly**

63.6789, 0.2759, 0.2812

**Deuteranomaly**

63.9235, 0.2767, 0.2774

**Tritanomaly**

64.4517, 0.2752, 0.2991

# Monochromacy



**Original Color**

64.1195, 0.2694, 0.2819

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

63.2621, 0.2961, 0.3118

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1195, 0.2694, 0.2819 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(186, 211, 253)` looks like.

```
.text, #text, p{  
    color:rgb(186, 211, 253)  
}
```

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(186, 211, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 211, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1195, 0.2694, 0.2819 is called "border". The border property can be set on classes, ids or directly on the HTML element.

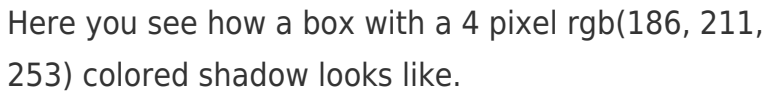
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 211, 253) }
```

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

```
.border{ border-color:rgb(186, 211, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 211, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 211, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 211, 253); box-shadow:4px 4px 4px 4px rgb(186, 211, 253) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1195, 0.2694, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 211, 253) }
```

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

```
.background{ background-color: rgb(186,  
211, 253) }
```

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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