

Converting Colors

$Yxy(74.9632, 0.2196, 0.1928)$

Have a look what the booklet for
Yxy(74.9632, 0.2196, 0.1928)
contains.

Yxy(65.3804, 0.2668, 0.2831)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.3804, 0.2668, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	B7D6FF
RGB	183, 214, 255
RGB Percent	72%, 84%, 100%
CMY	0.2824, 0.1607, 0.0001
CMYK	0.28, 0.16, 0.00, 0.00
HSL	214°, 100%, 86%
HSV	214°, 28%, 100%
XYZ	61.6160, 65.3804, 103.9481
YIQ	209.4050, -31.6370, 6.1790

Conversions

Conversions Part 2

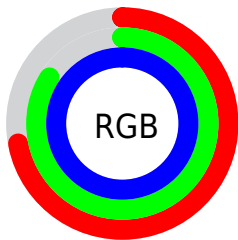
Format	Color
R _Y B	183, 205, 255
Decimal	12048127
CIE Lab	84.68, -1.23, -23.35
CIE LCh	85, 23.379, 266.989
Yxy	65.3804, 0.2668, 0.2831
Android (android.graphics.Color)	4290238207 (0xFFB7D6FF)
YUV	209.4050, 22.4783, -23.1572
Hunter-Lab	80.8581, -5.4801, -19.6203

Details

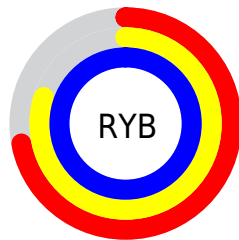
The Yxy color **65.3804, 0.2668, 0.2831** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.9443, 0.3636, 0.3709**, and the grayscale version is **63.9029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **33.4627, 0.2557, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **55.5167, 0.2497, 0.2636**, and if you desaturate by 10%, it is **76.4693, 0.2837, 0.3010**.

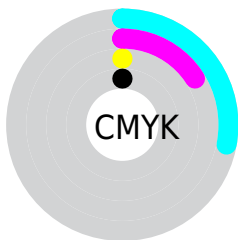
Distribution



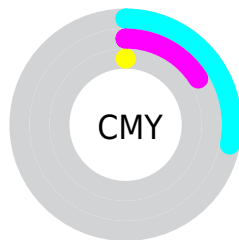
- Red (72%)
- Green (84%)
- Blue (100%)



- Red (72%)
- Yellow (80%)
- Blue (100%)



- Cyan (28%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (28%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3804, 0.2668, 0.2831 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 65.3804, 0.2668, 0.2831 by changing the saturation by 10% instead.

 65.3804, 0.2668,
0.2831

 65.3804, 0.2668,
0.2831


444.1577, 0.2881,
0.3045

 47.7696, 0.2619,
0.2782


 112.5966, 0.2742,
0.2905

 33.6445, 0.2559,
0.2721


142.9707, 0.2771,
0.2934

 22.6206, 0.2483,
0.2645


178.3682, 0.2796,
0.2959

 14.3136, 0.2385,
0.2545

219.1732, 0.2817,
0.2981

 8.3391, 0.2252,
0.2410

265.7703, 0.2836,
0.3000

 4.3127, 0.2064,
0.2218

318.5438, 0.2853,

 1.8500, 0.1783,

0.3017

0.1929

377.8781, 0.2868,
0.3032

0.5180, 0.1225,
0.1372

0.0000, 0.0000,
0.0000

65.3804, 0.2668,
0.2831

65.3804, 0.2668,
0.2831

55.5167, 0.2497,
0.2636

76.4693, 0.2837,
0.3010

46.8229, 0.2327,
0.2426

88.8201, 0.2999,
0.3171

39.2503, 0.2165,
0.2206

99.9977, 0.3127,
0.3290

32.7432, 0.2017,
0.1982

■ 27.2400, 0.1889,
0.1760

■ 22.6700, 0.1787,
0.1548

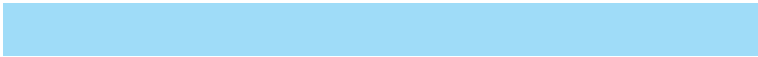
■ 18.9428, 0.1712,
0.1354

■ 18.3531, 0.1701,
0.1322

Harmonies

Analogous

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



65.3804, 0.2579, 0.2967



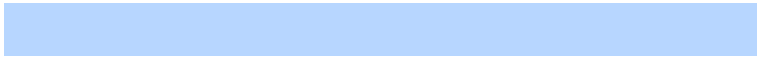
65.3804, 0.2668, 0.2831



65.3804, 0.2877, 0.2816

Triad

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



65.3804, 0.2668, 0.2831



65.3804, 0.3653, 0.3339



65.3804, 0.3072, 0.3712

Complementary

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



65.3804, 0.2668, 0.2831



77.9443, 0.3636, 0.3709

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.



65.3804, 0.3362, 0.3810



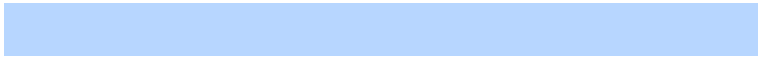
65.3804, 0.2668, 0.2831



65.3804, 0.3707, 0.3576

Square

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



65.3804, 0.2668, 0.2831



65.3804, 0.3450, 0.3101



65.3804, 0.3598, 0.3753



65.3804, 0.2804, 0.3483

Rectangle

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



65.3804, 0.2668, 0.2831



65.3804, 0.3063, 0.2870



65.3804, 0.3598, 0.3753



65.3804, 0.3170, 0.3762

Sweetspot

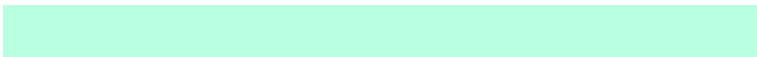
The Sweet Spot groups the original color and five complimentary colors.



65.3830, 0.2668, 0.2831



89.1521, 0.3003, 0.3174



86.9310, 0.2873, 0.3635



18.6657, 0.2979, 0.3151



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.



65.3830, 0.2668, 0.2831



59.5662, 0.2569, 0.2720



51.7396, 0.2663, 0.2475



18.6657, 0.2979, 0.3151



9.8760, 0.1709, 0.1352



1.1736, 0.1770, 0.1572

Inverse Universe

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



59.9676, 0.3484, 0.2972



53.8168, 0.3583, 0.2904



95.2693, 0.3523, 0.4006



18.1171, 0.3226, 0.3188



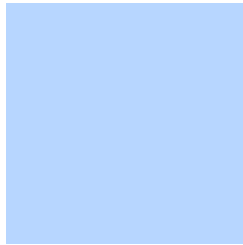
11.7249, 0.5255, 0.2669



1.1630, 0.4966, 0.2510

Previews

White Background



This preview shows how the Yxy color 65.3804, 0.2668, 0.2831 looks on a white background.

Color Contrast Check

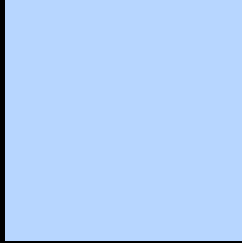
Large Text (above 18pt) WCAG AA × Fail

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 65.3804, 0.2668, 0.2831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

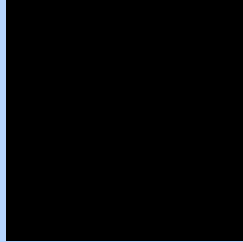
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

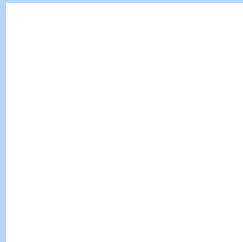
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3804, 0.2668, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 65.3804, 0.2668, 0.2831.



This preview shows how white text looks on a background with the Yxy color 65.3804, 0.2668, 0.2831.

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

65.3804, 0.2668, 0.2831

Protanopia

65.1858, 0.2800, 0.2820

Deuteranopia

65.4010, 0.2827, 0.2774



Tritanopia

65.2076, 0.2758, 0.3080

Trichromacy



Original Color

65.3804, 0.2668, 0.2831

Protanomaly

65.2825, 0.2750, 0.2826

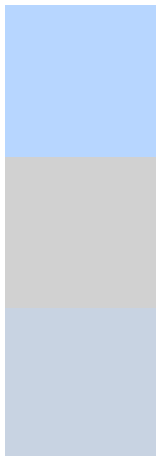
Deuteranomaly

65.5925, 0.2770, 0.2799

Tritanomaly

65.2258, 0.2724, 0.2991

Monochromacy



Original Color

65.3804, 0.2668, 0.2831

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.3589, 0.2948, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3804, 0.2668, 0.2831 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(183, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.3804, 0.2668, 0.2831 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(183, 214, 255) }
```

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

```
.border{ border-color:rgb(183, 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(183, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3804, 0.2668, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 214, 255) }
```

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

```
.background{ background-color: rgb(183,  
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](#).

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