

Converting Colors

Yxy(67.6910, 0.2843, 0.2820)

Have a look what the booklet for
Yxy(67.6910, 0.2843, 0.2820)
contains.

Yxy(67.6574, 0.2843, 0.2820)	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(67.6574, 0.2843, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	D3D3FF
RGB	211, 211, 255
RGB Percent	83%, 83%, 100%
CMY	0.1725, 0.1725, 0.0001
CMYK	0.17, 0.17, 0.00, 0.00
HSL	240°, 100%, 91%
HSV	240°, 17%, 100%
XYZ	68.2092, 67.6574, 104.0532
YIQ	216.0160, -14.1240, 13.6840

Conversions

Conversions Part 2

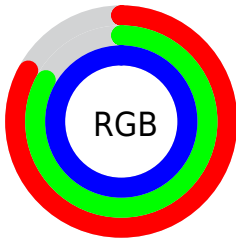
Format	Color
R _Y B	211, 211, 255
Decimal	13882367
CIE Lab	85.83, 8.71, -21.42
CIE LCh	86, 23.122, 292.119
Yxy	67.6574, 0.2843, 0.2820
Android (android.graphics.Color)	4292072447 (0xFFD3D3FF)
YUV	216.0160, 19.2191, -4.3990
Hunter-Lab	82.2541, 4.0764, -17.4253

Details

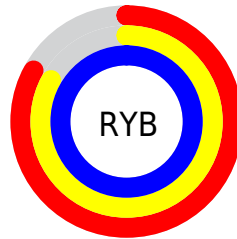
The Yxy color $67.6574, 0.2843, 0.2820$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $97.4625, 0.3387, 0.3720$, and the grayscale version is $68.5576, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.2591, 0.2776, 0.2722$ is the 20% darker color. If you saturate the color by 10%, you get $52.5087, 0.2650, 0.2501$, and if you desaturate by 10%, it is $85.4178, 0.3015, 0.3105$.

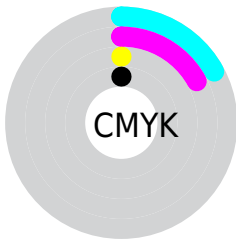
Distribution



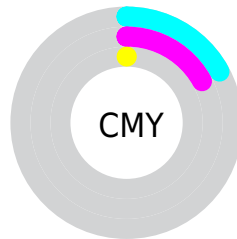
- Red (83%)
- Green (83%)
- Blue (100%)



- Red (83%)
- Yellow (83%)
- Blue (100%)



- Cyan (17%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6574, 0.2843, 0.2820 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 67.6574, 0.2843, 0.2820 by changing the saturation by 10% instead.

■ 67.6574, 0.2843,
0.2820

■ 67.6574, 0.2843,
0.2820

452.2812, 0.2976,
0.3035

■ 49.6191, 0.2812,
0.2772

115.8619, 0.2890,
0.2894

■ 35.1108, 0.2774,
0.2713

146.7968, 0.2908,
0.2923

■ 23.7482, 0.2725,
0.2638

182.7995, 0.2923,
0.2948

■ 15.1470, 0.2662,
0.2543

224.2541, 0.2937,
0.2970

■ 8.9226, 0.2575,
0.2415

271.5452, 0.2948,
0.2989

■ 4.6907, 0.2449,
0.2237

325.0572, 0.2959,

■ 2.0670, 0.2255,

0.3006

0.1973

385.1744, 0.2968,
0.3021

■ 0.6460, 0.1932,
0.1510

■ 0.0000, 0.0000,
0.0000

■ 67.6574, 0.2843,
0.2820

■ 67.6574, 0.2843,
0.2820

■ 52.5087, 0.2650,
0.2501

■ 85.4178, 0.3015,
0.3105

■ 39.8408, 0.2441,
0.2155

99.9987, 0.3127,
0.3290

■ 29.5241, 0.2223,
0.1795

■ 21.4139, 0.2010,
0.1443

■ 15.3496, 0.1818,
0.1125

■ 11.1487, 0.1664,
0.0870

■ 8.5967, 0.1560,
0.0699

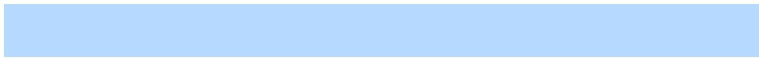
■ 7.4170, 0.1509,
0.0615

■ 7.2193, 0.1500,
0.0600

Harmonies

Analogous

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



67.6574, 0.2655, 0.2855



67.6574, 0.2843, 0.2820



67.6574, 0.3114, 0.2899

Triad

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



67.6574, 0.2843, 0.2820



67.6574, 0.3696, 0.3535



67.6574, 0.2849, 0.3521

Complementary

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



67.6574, 0.2843, 0.2820



97.4625, 0.3387, 0.3720

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.



67.6574, 0.3120, 0.3728



67.6574, 0.2843, 0.2820



67.6574, 0.3614, 0.3721

Square

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



67.6574, 0.2843, 0.2820



67.6574, 0.3617, 0.3299



67.6574, 0.3401, 0.3799



67.6574, 0.2658, 0.3250

Rectangle

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



67.6574, 0.2843, 0.2820



67.6574, 0.3308, 0.3006



67.6574, 0.3401, 0.3799



67.6574, 0.2934, 0.3602

Sweetspot

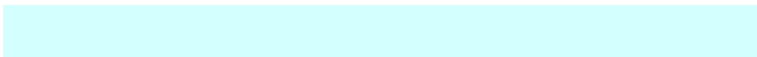
The Sweet Spot groups the original color and five complimentary colors.



67.6602, 0.2843, 0.2820



89.7957, 0.3051, 0.3165



92.5746, 0.2866, 0.3289



18.9248, 0.3040, 0.3146



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.



67.6602, 0.2843, 0.2820



61.6865, 0.2773, 0.2704



71.1303, 0.2992, 0.2840



17.3782, 0.2978, 0.3044



3.7731, 0.1500, 0.0600



0.3675, 0.1501, 0.0600

Inverse Universe

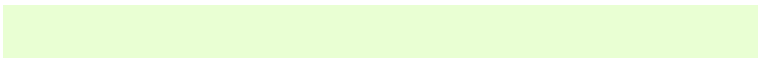
The Inverse Universe completely reimagines the original color for something new.



75.0631, 0.3147, 0.2861



70.4620, 0.3152, 0.2766



93.5320, 0.3244, 0.3740



18.3003, 0.3138, 0.3056



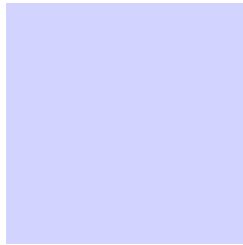
14.8779, 0.3210, 0.1542



1.4486, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 67.6574, 0.2843, 0.2820 looks on a white background.

Color Contrast Check

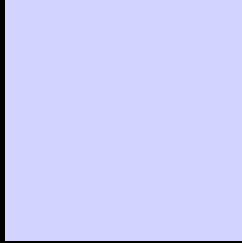
Large Text (above 18pt) WCAG AA × Fail

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 67.6574, 0.2843, 0.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

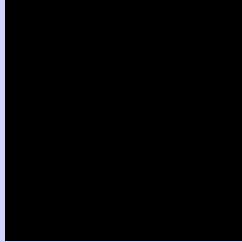
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6574, 0.2843, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 67.6574, 0.2843, 0.2820.

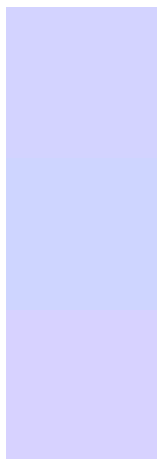


This preview shows how white text looks on a background with the Yxy color 67.6574, 0.2843, 0.2820.

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

67.6574, 0.2843, 0.2820

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

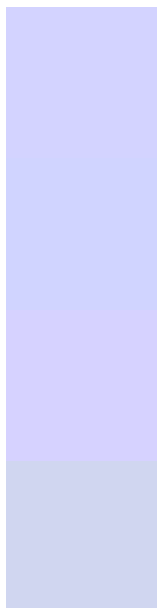
67.7603, 0.2869, 0.2813



Tritanopia

67.6925, 0.2959, 0.3101

Trichromacy



Original Color

67.6574, 0.2843, 0.2820

Protanomaly

67.7169, 0.2824, 0.2828

Deuteranomaly

67.6093, 0.2862, 0.2812

Tritanomaly

67.7943, 0.2916, 0.3005

Monochromacy



Original Color

67.6574, 0.2843, 0.2820

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.1024, 0.3021, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6574, 0.2843, 0.2820 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(211, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 211, 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(211, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.6574, 0.2843, 0.2820 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(211, 211, 255) }
```

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

```
.border{ border-color:rgb(211, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6574, 0.2843, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 211, 255) }
```

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

```
.background{ background-color: rgb(211,  
211, 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