

Converting Colors

Yxy(66.4523, 0.2820, 0.2818)

Have a look what the booklet for
Yxy(66.4523, 0.2820, 0.2818)
contains.

Yxy(66.5143, 0.2822, 0.2815)	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(66.5143, 0.2822, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	CFD2FE
RGB	207, 210, 254
RGB Percent	81%, 82%, 100%
CMY	0.1880, 0.1765, 0.0039
CMYK	0.18, 0.17, 0.00, 0.00
HSL	236°, 96%, 90%
HSV	236°, 18%, 100%
XYZ	66.6797, 66.5143, 103.0913
YIQ	214.1190, -15.9120, 13.0480

Conversions

Conversions Part 2

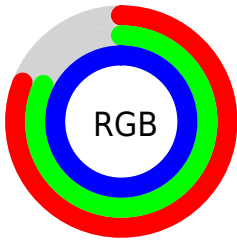
Format	Color
R _Y B	207, 210, 254
Decimal	13619966
CIE Lab	85.26, 7.82, -21.81
CIE LCh	85, 23.166, 289.731
Yxy	66.5143, 0.2822, 0.2815
Android (android.graphics.Color)	4291810046 (0xFFCFD2FE)
YUV	214.1190, 19.6613, -6.2434
Hunter-Lab	81.5563, 3.2165, -17.8561

Details

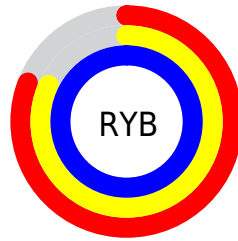
The Yxy color **66.5143, 0.2822, 0.2815** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.6186, 0.3411, 0.3724**, and the grayscale version is **67.2094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.4836, 0.2748, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **52.2503, 0.2631, 0.2513**, and if you desaturate by 10%, it is **83.1220, 0.2995, 0.3086**.

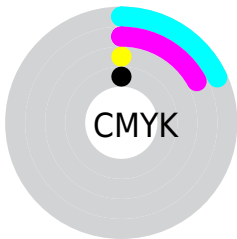
Distribution



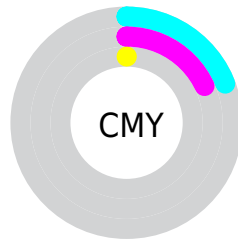
- Red (81%)
- Green (82%)
- Blue (100%)



- Red (81%)
- Yellow (82%)
- Blue (100%)



- Cyan (18%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5143, 0.2822, 0.2815 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 66.5143, 0.2822, 0.2815 by changing the saturation by 10% instead.

■ 66.5143, 0.2822,
0.2815

■ 66.5143, 0.2822,
0.2815

448.2139, 0.2965,
0.3033

■ 48.6900, 0.2789,
0.2766

114.2242, 0.2872,
0.2890

■ 34.3736, 0.2748,
0.2706

144.8786, 0.2892,
0.2919

■ 23.1808, 0.2695,
0.2630

180.5784, 0.2908,
0.2945

■ 14.7271, 0.2627,
0.2532

221.7082, 0.2923,
0.2967

■ 8.6281, 0.2533,
0.2401

268.6522, 0.2935,
0.2986

■ 4.4994, 0.2398,
0.2217

321.7949, 0.2947,

■ 1.9566, 0.2189,

0.3004

0.1944

381.5207, 0.2957,
0.3019

0.5821, 0.1840,
0.1439

0.0000, 0.0000,
0.0000

66.5143, 0.2822,
0.2815

66.5143, 0.2822,
0.2815

52.2503, 0.2631,
0.2513

83.1220, 0.2995,
0.3086

40.2168, 0.2425,
0.2185

99.9359, 0.3133,
0.3299

30.3033, 0.2214,
0.1843

22.3868, 0.2008,
0.1505

■ 16.3315, 0.1822,
0.1193

■ 11.9847, 0.1671,
0.0933

■ 9.1695, 0.1568,
0.0746

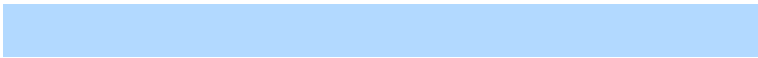
■ 7.6627, 0.1513,
0.0638

■ 7.5223, 0.1508,
0.0628

Harmonies

Analogous

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



66.5143, 0.2641, 0.2859



66.5143, 0.2822, 0.2815



66.5143, 0.3091, 0.2886

Triad

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



66.5143, 0.2822, 0.2815



66.5143, 0.3700, 0.3518



66.5143, 0.2867, 0.3543

Complementary

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



66.5143, 0.2822, 0.2815



94.6186, 0.3411, 0.3724

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.



66.5143, 0.3143, 0.3743



66.5143, 0.2822, 0.2815



66.5143, 0.3630, 0.3713

Square

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



66.5143, 0.2822, 0.2815



66.5143, 0.3608, 0.3280



66.5143, 0.3423, 0.3802



66.5143, 0.2666, 0.3271

Rectangle

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



66.5143, 0.2822, 0.2815



66.5143, 0.3287, 0.2989



66.5143, 0.3423, 0.3802



66.5143, 0.2954, 0.3622

Sweetspot

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



66.5170, 0.2822, 0.2815



88.3994, 0.3035, 0.3148



91.1161, 0.2865, 0.3322



18.6624, 0.3025, 0.3132



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.



66.5170, 0.2822, 0.2815



61.7784, 0.2757, 0.2712



68.2057, 0.2959, 0.2803



17.5596, 0.2978, 0.3060



4.0341, 0.1510, 0.0637



0.4537, 0.1535, 0.0724

Inverse Universe

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



70.3775, 0.3467, 0.3261



66.3442, 0.3550, 0.3255



92.8281, 0.3272, 0.3772



18.0055, 0.3285, 0.3276



11.1352, 0.6338, 0.3265



1.0903, 0.6193, 0.3185

Previews

White Background



This preview shows how the Yxy color 66.5143, 0.2822, 0.2815 looks on a white background.

Color Contrast Check

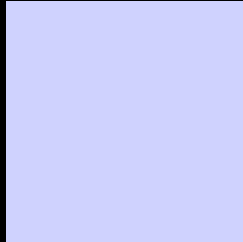
Large Text (above 18pt) WCAG AA × Fail

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 66.5143, 0.2822, 0.2815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

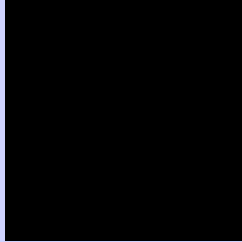
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5143, 0.2822, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 66.5143, 0.2822, 0.2815.



This preview shows how white text looks on a background with the Yxy color 66.5143, 0.2822, 0.2815.

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

66.5143, 0.2822, 0.2815

Protanopia

66.6459, 0.2797, 0.2814

Deuteranopia

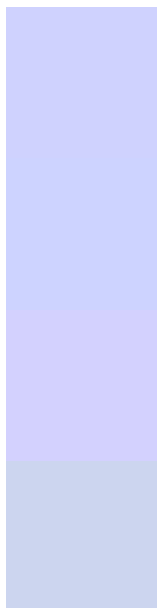
66.4136, 0.2861, 0.2799



Tritanopia

66.5592, 0.2938, 0.3099

Trichromacy



Original Color

66.5143, 0.2822, 0.2815

Protanomaly

66.7877, 0.2803, 0.2814

Deuteranomaly

66.6056, 0.2848, 0.2808

Tritanomaly

66.6579, 0.2894, 0.3002

Monochromacy



Original Color

66.5143, 0.2822, 0.2815

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.0945, 0.3006, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5143, 0.2822, 0.2815 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(207, 210, 254)` looks like.

```
.text, #text, p{  
    color:rgb(207, 210, 254)  
}
```

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(207, 210, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 210, 254) }
```

Border

The CSS property to change the border of an element to Yxy 66.5143, 0.2822, 0.2815 is called "border". The border property can be set on classes, ids or directly on the HTML element.

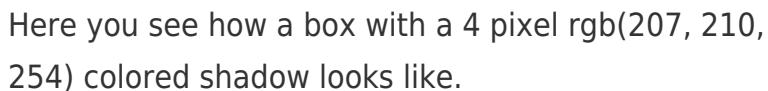
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 210, 254) }
```

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

```
.border{ border-color:rgb(207, 210, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 210, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 210, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 210, 254);  
box-shadow:4px 4px 4px 4px rgb(207, 210,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5143, 0.2822, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 210, 254) }
```

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

```
.background{ background-color: rgb(207,  
210, 254) }
```

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