

Converting Colors

Yxy(67.8931, 0.2786, 0.2846)

Have a look what the booklet for
Yxy(67.8931, 0.2786, 0.2846)
contains.

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Color

Yxy(67.8697, 0.2786, 0.2845)

Conversions

Conversions Part 1

Format	Color
Hex	CAD6FF
RGB	202, 214, 255
RGB Percent	79%, 84%, 100%
CMY	0.2077, 0.1608, 0.0000
CMYK	0.21, 0.16, 0.00, 0.00
HSL	226°, 100%, 90%
HSV	226°, 21%, 100%
XYZ	66.4622, 67.8697, 104.2259
YIQ	215.0860, -20.3130, 10.2070

Conversions

Conversions Part 2

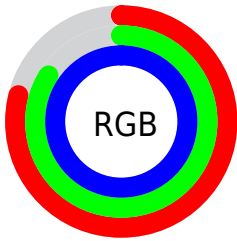
Format	Color
R _Y B	202, 212, 255
Decimal	13293311
CIE Lab	85.94, 4.39, -21.35
CIE LCh	86, 21.793, 281.628
Yxy	67.8697, 0.2786, 0.2845
Android (android.graphics.Color)	4291483391 (0xFFCAD6FF)
YUV	215.0860, 19.6776, -11.4764
Hunter-Lab	82.3831, -0.1662, -17.3419

Details

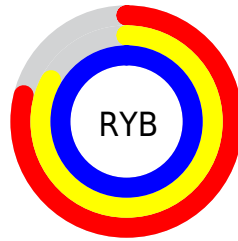
The Yxy color $67.8697, 0.2786, 0.2845$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $89.6479, 0.3464, 0.3699$, and the grayscale version is $67.8939, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.0765, 0.2703, 0.2739$ is the 20% darker color. If you saturate the color by 10%, you get $55.2086, 0.2602, 0.2592$, and if you desaturate by 10%, it is $82.3315, 0.2958, 0.3073$.

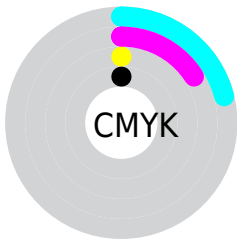
Distribution



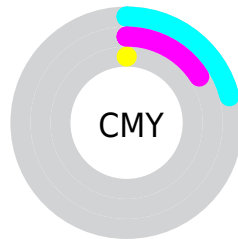
- Red (79%)
- Green (84%)
- Blue (100%)



- Red (79%)
- Yellow (83%)
- Blue (100%)



- Cyan (21%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8697, 0.2786, 0.2845 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 67.8697, 0.2786, 0.2845 by changing the saturation by 10% instead.

■ 67.8697, 0.2786,
0.2845

■ 67.8697, 0.2786,
0.2845

453.0342, 0.2945,
0.3050

■ 49.7917, 0.2750,
0.2799

116.1657, 0.2841,
0.2916

■ 35.2479, 0.2705,
0.2742

147.1526, 0.2863,
0.2943

■ 23.8539, 0.2648,
0.2670

183.2112, 0.2881,
0.2967

■ 15.2253, 0.2573,
0.2578

224.7259, 0.2897,
0.2988

■ 8.9777, 0.2472,
0.2454

272.0812, 0.2911,
0.3006

■ 4.7266, 0.2328,
0.2279

325.6614, 0.2924,

■ 2.0878, 0.2108,

0.3022

0.2019

385.8509, 0.2935,
0.3037

0.6577, 0.1739,
0.1562

0.0000, 0.0000,
0.0000

67.8697, 0.2786,
0.2845

67.8697, 0.2786,
0.2845

55.2086, 0.2602,
0.2592

82.3315, 0.2958,
0.3073

44.2731, 0.2411,
0.2317

98.6586, 0.3116,
0.3275

34.9873, 0.2217,
0.2027

100.0000, 0.3127,
0.3290

27.2683, 0.2031,
0.1732

■ 21.0254, 0.1863,
0.1447

■ 16.1581, 0.1724,
0.1187

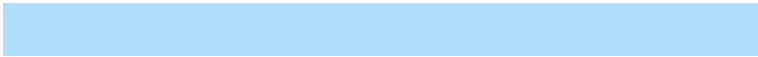
■ 12.5516, 0.1621,
0.0970

■ 10.2058, 0.1560,
0.0815

Harmonies

Analogous

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



67.8697, 0.2646, 0.2918



67.8697, 0.2786, 0.2845



67.8697, 0.3021, 0.2883

Triad

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



67.8697, 0.2786, 0.2845



67.8697, 0.3654, 0.3447



67.8697, 0.2949, 0.3586

Complementary

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



67.8697, 0.2786, 0.2845



89.6479, 0.3464, 0.3699

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.



67.8697, 0.3216, 0.3741



67.8697, 0.2786, 0.2845



67.8697, 0.3629, 0.3645

Square

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



67.8697, 0.2786, 0.2845



67.8697, 0.3529, 0.3221



67.8697, 0.3466, 0.3759



67.8697, 0.2737, 0.3343

Rectangle

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



67.8697, 0.2786, 0.2845



67.8697, 0.3203, 0.2964



67.8697, 0.3466, 0.3759



67.8697, 0.3036, 0.3651

Sweetspot

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



67.8708, 0.2786, 0.2845



89.8873, 0.3035, 0.3173



90.5300, 0.2880, 0.3420



19.0128, 0.3025, 0.3160



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.



67.8708, 0.2786, 0.2845



62.3029, 0.2710, 0.2741



64.0973, 0.2873, 0.2727



18.0432, 0.2979, 0.3100



5.5148, 0.1566, 0.0838



0.6923, 0.1622, 0.1039

Inverse Universe

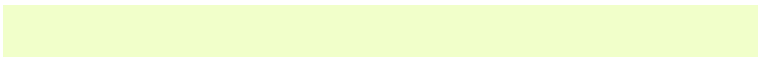
The Inverse Universe completely reimagines the original color for something new.



68.3695, 0.3453, 0.3169



63.0700, 0.3539, 0.3143



94.4643, 0.3348, 0.3826



18.0543, 0.3259, 0.3237



11.2847, 0.6008, 0.3083



1.1144, 0.5700, 0.2914

Previews

White Background



This preview shows how the Yxy color 67.8697, 0.2786, 0.2845 looks on a white background.

Color Contrast Check

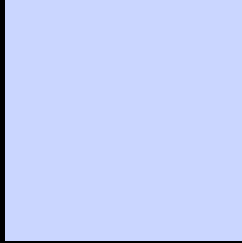
Large Text (above 18pt) WCAG AA × Fail

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 67.8697, 0.2786, 0.2845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

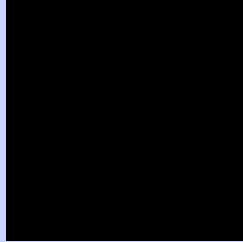
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8697, 0.2786, 0.2845

Background



This preview shows how black text looks on a background with the Yxy color 67.8697, 0.2786, 0.2845.



This preview shows how white text looks on a background with the Yxy color 67.8697, 0.2786, 0.2845.

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

67.8697, 0.2786, 0.2845

Protanopia

67.8661, 0.2817, 0.2848

Deuteranopia

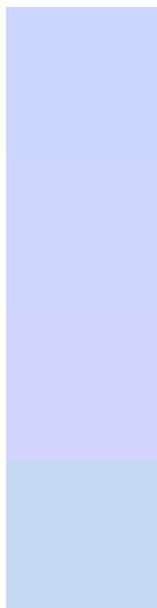
67.7603, 0.2869, 0.2813



Tritanopia

67.6296, 0.2880, 0.3087

Trichromacy



Original Color

67.8697, 0.2786, 0.2845

Protanomaly

67.7234, 0.2810, 0.2847

Deuteranomaly

67.5102, 0.2836, 0.2819

Tritanomaly

67.6647, 0.2844, 0.3001

Monochromacy



Original Color

67.8697, 0.2786, 0.2845

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0157, 0.2993, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8697, 0.2786, 0.2845 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(202, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.8697, 0.2786, 0.2845 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(202, 214, 255) }
```

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

```
.border{ border-color:rgb(202, 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(202, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 214,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8697, 0.2786, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 214, 255) }
```

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

```
.background{ background-color: rgb(202,  
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](#).

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