

Converting Colors

$Yxy(70.1667, 0.2844, 0.2944)$

Have a look what the booklet for
Yxy(70.1667, 0.2844, 0.2944)
contains.

| | |
|-------------------------------------------|----|
| Yxy(70.1667, 0.2844, 0.2944) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(70.1667, 0.2844, 0.2944)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CEDAFA |
| RGB | 206, 218, 250 |
| RGB Percent | 81%, 85%, 98% |
| CMY | 0.1920, 0.1451, 0.0197 |
| CMYK | 0.18, 0.13, 0.00, 0.02 |
| HSL | 224°, 81%, 89% |
| HSV | 224°, 18%, 98% |
| XYZ | 67.7833, 70.1667, 100.3880 |
| YIQ | 218.0600, -17.4240, 7.4080 |

Conversions

Conversions Part 2

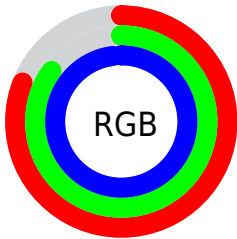
| Format | Color |
|-------------------------------------|-------------------------------------------------|
| RYB | 206, 215, 250 |
| Decimal | 13556474 |
| CIELab | 87.08, 2.41, -16.94 |
| CIElCh | 87, 17.106, 278.105 |
| Yxy | 70.1667, 0.2844, 0.2944 |
| Android (android.graphics.Color) | 4291746554 (0xFFCEDAFA) |
| YUV | 218.0600, 15.7464, -10.5766 |
| Hunter-Lab | 83.7656, -2.1471, -12.4196 |

Details

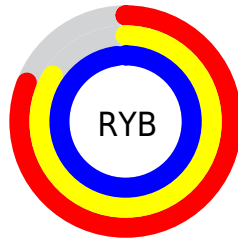
The Yxy color **70.1667, 0.2844, 0.2944** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.9299, 0.3412, 0.3614**, and the grayscale version is **70.0573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6240, 0.2777, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **57.9487, 0.2667, 0.2715**, and if you desaturate by 10%, it is **83.9949, 0.3010, 0.3150**.

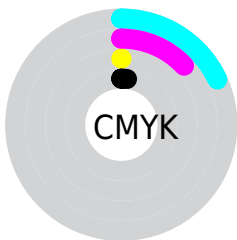
Distribution



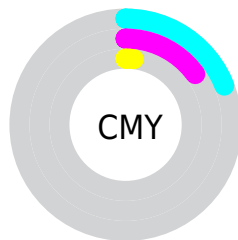
- Red (81%)
- Green (85%)
- Blue (98%)



- Red (81%)
- Yellow (84%)
- Blue (98%)



- Cyan (18%)
- Magenta (13%)
- Yellow (0%)
- Black (2%)



- Cyan (19%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1667, 0.2844, 0.2944 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 70.1667, 0.2844, 0.2944 by changing the saturation by 10% instead.

■ 70.1667, 0.2844,
0.2944

■ 70.1667, 0.2844,
0.2944

461.1351, 0.2975,
0.3103

■ 51.6624, 0.2814,
0.2908

119.4464, 0.2890,
0.2999

■ 36.7361, 0.2777,
0.2863

150.9907, 0.2907,
0.3021

■ 25.0032, 0.2730,
0.2807

187.6505, 0.2923,
0.3039

■ 16.0795, 0.2669,
0.2735

229.8101, 0.2936,
0.3055

■ 9.5804, 0.2586,
0.2636

277.8540, 0.2948,
0.3069

■ 5.1216, 0.2467,
0.2497

332.1665, 0.2958,

■ 2.3188, 0.2285,

0.3082

0.2286

393.1321, 0.2967,
0.3093

0.7836, 0.1974,
0.1925

0.0000, 0.0000,
0.0000

70.1667, 0.2844,
0.2944

70.1667, 0.2844,
0.2944

57.9487, 0.2667,
0.2715

83.9949, 0.3010,
0.3150

47.2721, 0.2481,
0.2463

99.2854, 0.3157,
0.3332

38.0756, 0.2293,
0.2194

99.6803, 0.3156,
0.3338

30.2907, 0.2109,
0.1915

■ 23.8426, 0.1940,
0.1637

■ 18.6492, 0.1793,
0.1374

■ 14.6176, 0.1679,
0.1140

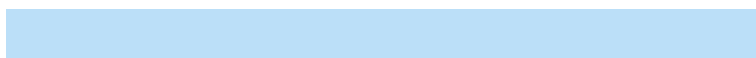
■ 11.6358, 0.1600,
0.0946

■ 11.0424, 0.1585,
0.0906

Harmonies

Analogous

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



70.1667, 0.2743, 0.3014



70.1667, 0.2844, 0.2944



70.1667, 0.3021, 0.2963

Triad

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



70.1667, 0.2844, 0.2944



70.1667, 0.3529, 0.3395



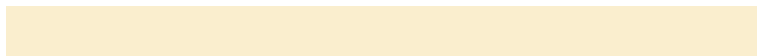
70.1667, 0.3014, 0.3536

Complementary

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



70.1667, 0.2844, 0.2944



85.9299, 0.3412, 0.3614

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.



70.1667, 0.3223, 0.3644



70.1667, 0.2844, 0.2944



70.1667, 0.3525, 0.3553

Square

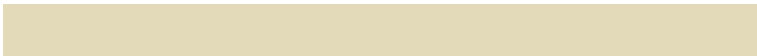
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1667, 0.2844, 0.2944



70.1667, 0.3421, 0.3217



70.1667, 0.3411, 0.3648



70.1667, 0.2839, 0.3356

Rectangle

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



70.1667, 0.2844, 0.2944



70.1667, 0.3162, 0.3021



70.1667, 0.3411, 0.3648



70.1667, 0.3082, 0.3583

Sweetspot

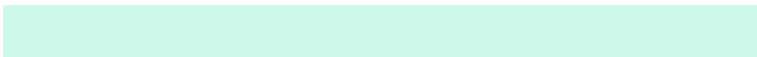
The Sweet Spot groups the original color and five complimentary colors.



70.1696, 0.2844, 0.2944



91.8839, 0.3051, 0.3199



87.6248, 0.2929, 0.3421



19.4304, 0.3040, 0.3186



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.



70.1696, 0.2844, 0.2944



68.8278, 0.2784, 0.2868



65.5915, 0.2902, 0.2820



17.4120, 0.2979, 0.3112



6.0623, 0.1592, 0.0932



0.7296, 0.1655, 0.1158

Inverse Universe

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



69.5404, 0.3378, 0.3168



68.2029, 0.3438, 0.3142



91.4151, 0.3328, 0.3737



17.3029, 0.3251, 0.3226



11.0229, 0.5861, 0.3003



1.0379, 0.5526, 0.2818

Previews

White Background



This preview shows how the Yxy color 70.1667, 0.2844, 0.2944 looks on a white background.

Color Contrast Check

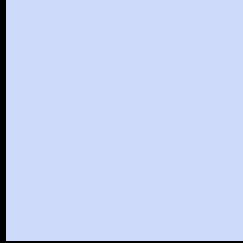
Large Text (above 18pt) WCAG AA × Fail

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 70.1667, 0.2844, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

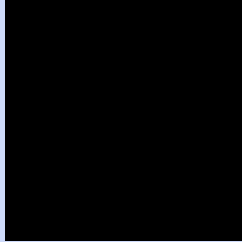
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1667, 0.2844, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 70.1667, 0.2844, 0.2944.



This preview shows how white text looks on a background with the Yxy color 70.1667, 0.2844, 0.2944.

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

70.1667, 0.2844, 0.2944

Protanopia

69.9483, 0.2888, 0.2936

Deuteranopia

69.7400, 0.2949, 0.2881



Tritanopia

70.1968, 0.2903, 0.3091

Trichromacy



Original Color

70.1667, 0.2844, 0.2944

Protanomaly

70.1669, 0.2875, 0.2946

Deuteranomaly

69.8099, 0.2908, 0.2897

Tritanomaly

70.0530, 0.2885, 0.3038

Monochromacy



Original Color

70.1667, 0.2844, 0.2944

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.1521, 0.3020, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1667, 0.2844, 0.2944 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(206, 218, 250)` looks like.

```
.text, #text, p{  
    color:rgb(206, 218, 250)  
}
```

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(206, 218, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 218, 250) }
```

Border

The CSS property to change the border of an element to Yxy 70.1667, 0.2844, 0.2944 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(206, 218, 250) }
```

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

```
.border{ border-color:rgb(206, 218, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 218, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 218, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 218, 250);  
box-shadow:4px 4px 4px 4px rgb(206, 218,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1667, 0.2844, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 218, 250) }
```

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

```
.background{ background-color: rgb(206,  
218, 250) }
```

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