

Converting Colors

$Yxy(81.3618, 0.2948, 0.3352)$

Have a look what the booklet for
Yxy(81.3618, 0.2948, 0.3352)
contains.

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Color

Yxy(81.3825, 0.2945, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	CEF0EA
RGB	206, 240, 234
RGB Percent	81%, 94%, 92%
CMY	0.1923, 0.0588, 0.0823
CMYK	0.14, 0.00, 0.02, 0.06
HSL	169°, 53%, 87%
HSV	169°, 14%, 94%
XYZ	71.4584, 81.3825, 89.8022
YIQ	229.1500, -18.3380, -9.0740

Conversions

Conversions Part 2

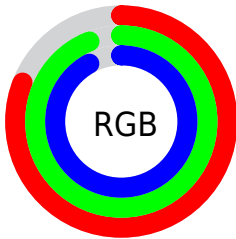
Format	Color
R _Y B	206, 225, 240
Decimal	13562090
CIE Lab	92.30, -12.17, -0.83
CIE LCh	92, 12.198, 183.913
Yxy	81.3825, 0.2945, 0.3354
Android (android.graphics.Color)	4291752170 (0xFFCEf0EA)
YUV	229.1500, 2.3911, -20.3025
Hunter-Lab	90.2122, -16.4791, 4.1281

Details

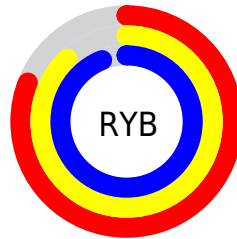
The Yxy color **81.3825, 0.2945, 0.3354** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.4001, 0.3346, 0.3227**, and the grayscale version is **78.4606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0746, 0.2904, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **77.9702, 0.2825, 0.3404**, and if you desaturate by 10%, it is **85.3318, 0.3072, 0.3308**.

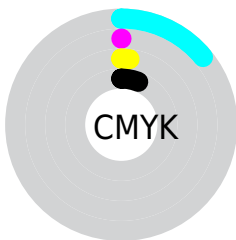
Distribution



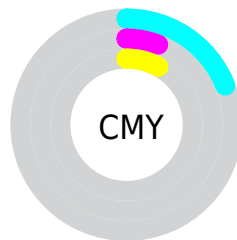
- Red (81%)
- Green (94%)
- Blue (92%)



- Red (81%)
- Yellow (88%)
- Blue (94%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)



- Cyan (19%)
- Magenta (6%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3825, 0.2945, 0.3354 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 81.3825, 0.2945, 0.3354 by changing the saturation by 10% instead.

81.3825, 0.2945,
0.3354

81.3825, 0.2945,
0.3354

499.5798, 0.3028,
0.3325

60.8567, 0.2927,
0.3360

135.3077, 0.2973,
0.3344

44.1095, 0.2904,
0.3368

169.4759, 0.2984,
0.3340

30.7566, 0.2876,
0.3378

208.9603, 0.2994,
0.3337

20.4136, 0.2839,
0.3390

254.1454, 0.3002,
0.3334

12.6960, 0.2790,
0.3407

305.4155, 0.3010,
0.3331

7.2196, 0.2721,
0.3430

363.1550, 0.3016,

3.5998, 0.2618,

0.3329

427.7483, 0.3022,
0.3327

0.3465

1.4523, 0.2443,
0.3522

0.2548, 0.0000,
0.4315

81.3825, 0.2945,
0.3354

81.3825, 0.2945,
0.3354

77.9702, 0.2825,
0.3404

85.3318, 0.3072,
0.3308

75.0610, 0.2715,
0.3459


89.8303, 0.3204,
0.3266

72.6327, 0.2619,
0.3516


90.2843, 0.3185,
0.3226

70.6575, 0.2538,
0.3577


90.5474, 0.3159,
0.3185


 69.1047, 0.2475,
0.3640

 90.8083, 0.3134,
0.3146

 67.9397, 0.2432,
0.3703

 67.1224, 0.2409,
0.3767

 66.6038, 0.2404,
0.3831

 66.3969, 0.2408,
0.3867

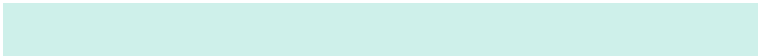
Harmonies

Analogous

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



81.3825, 0.3070, 0.3469



81.3825, 0.2945, 0.3354



81.3825, 0.2869, 0.3223

Triad

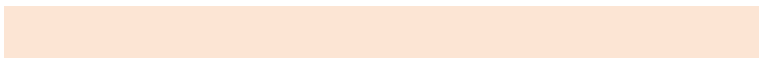
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3825, 0.2945, 0.3354



81.3825, 0.3037, 0.3060



81.3825, 0.3401, 0.3458

Complementary

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



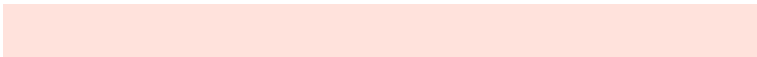
81.3825, 0.2945, 0.3354



67.4001, 0.3346, 0.3227

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.



81.3825, 0.3393, 0.3347



81.3825, 0.2945, 0.3354



81.3825, 0.3180, 0.3121

Square

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



81.3825, 0.2945, 0.3354



81.3825, 0.2921, 0.3057



81.3825, 0.3311, 0.3225



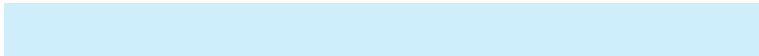
81.3825, 0.3335, 0.3527

Rectangle

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



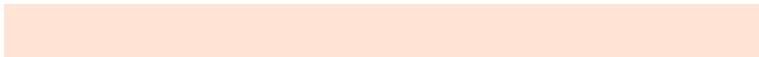
81.3825, 0.2945, 0.3354



81.3825, 0.2855, 0.3147



81.3825, 0.3311, 0.3225



81.3825, 0.3407, 0.3424

Sweetspot

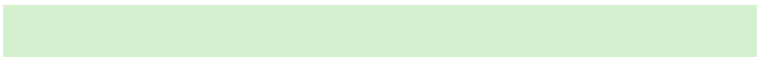
The Sweet Spot groups the original color and five complimentary colors.



81.3859, 0.2945, 0.3354



98.0016, 0.3075, 0.3307



80.8093, 0.3151, 0.3663



20.8984, 0.3065, 0.3311



0.0000, 0.0000, 0.0000



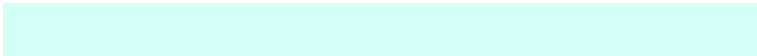
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3859, 0.2945, 0.3354



92.2039, 0.2910, 0.3368



75.5732, 0.2907, 0.3172



17.8785, 0.3004, 0.3332



36.3598, 0.2405, 0.3857



3.0372, 0.2382, 0.3774

Inverse Universe

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



67.4001, 0.3346, 0.3227



73.3010, 0.3399, 0.3214



72.4743, 0.3374, 0.3405



15.8042, 0.3266, 0.3249



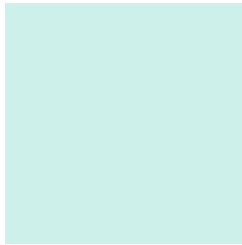
10.2468, 0.6135, 0.3153



0.8653, 0.5796, 0.2966

Previews

White Background



This preview shows how the Yxy color 81.3825, 0.2945, 0.3354 looks on a white background.

Color Contrast Check

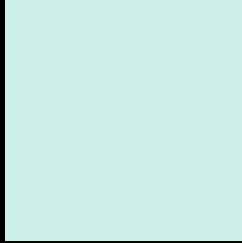
Large Text (above 18pt) WCAG AA × Fail

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 81.3825, 0.2945, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

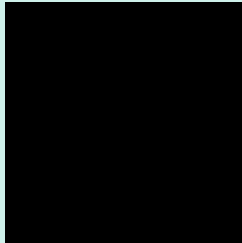
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

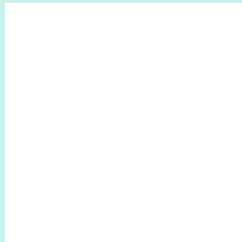
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3825, 0.2945, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 81.3825, 0.2945, 0.3354.

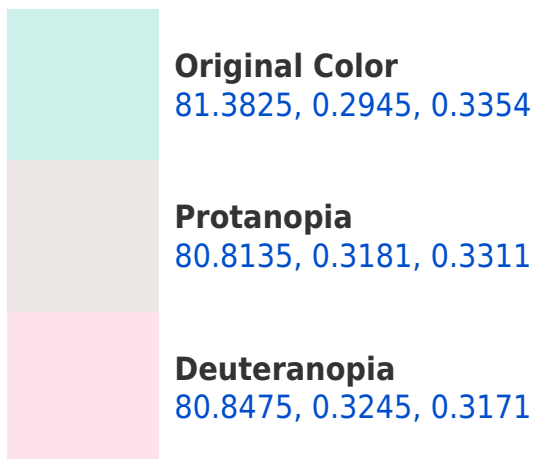


This preview shows how white text looks on a background with the Yxy color 81.3825, 0.2945, 0.3354.

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

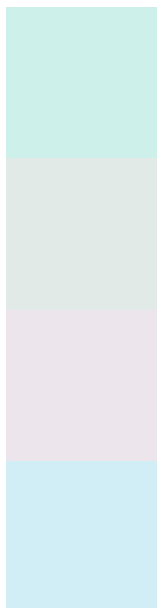




Tritanopia

81.4900, 0.2851, 0.3101

Trichromacy



Original Color

81.3825, 0.2945, 0.3354

Protanomaly

80.7839, 0.3092, 0.3321

Deuteranomaly

80.4826, 0.3130, 0.3228

Tritanomaly

81.4198, 0.2890, 0.3194

Monochromacy



Original Color

81.3825, 0.2945, 0.3354

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.4195, 0.3059, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3825, 0.2945, 0.3354 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, 240, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 240, 234)  
}
```

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, 240, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 240, 234) }
```

Border

The CSS property to change the border of an element to Yxy 81.3825, 0.2945, 0.3354 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, 240, 234) }
```

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

```
.border{ border-color:rgb(206, 240, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 240, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 240, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 240, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 240,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3825, 0.2945, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 240, 234) }
```

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

```
.background{ background-color: rgb(206,  
240, 234) }
```

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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