

Converting Colors

$Yxy(81.6194, 0.3000, 0.3259)$

Have a look what the booklet for
Yxy(81.6194, 0.3000, 0.3259)
contains.

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Color

Yxy(81.4385, 0.3004, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	DCECEF
RGB	220, 236, 239
RGB Percent	86%, 93%, 94%
CMY	0.1373, 0.0745, 0.0627
CMYK	0.08, 0.01, 0.00, 0.06
HSL	189°, 37%, 90%
HSV	189°, 8%, 94%
XYZ	75.0894, 81.4385, 93.4368
YIQ	231.5580, -10.4990, -2.4590

Conversions

Conversions Part 2

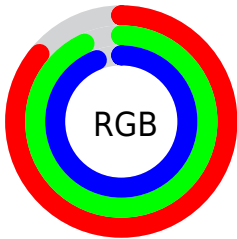
Format	Color
R _Y B	220, 229, 239
Decimal	14478575
CIE Lab	92.33, -4.70, -3.29
CIE LCh	92, 5.738, 214.948
Yxy	81.4385, 0.3004, 0.3258
Android (android.graphics.Color)	4292668655 (0xFFDCECEF)
YUV	231.5580, 3.6689, -10.1364
Hunter-Lab	90.2433, -9.3999, 1.7821

Details

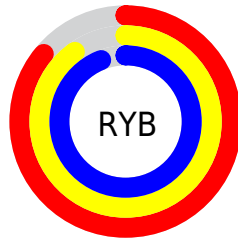
The Yxy color **81.4385, 0.3004, 0.3258** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.2957, 0.3261, 0.3322**, and the grayscale version is **80.3278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0607, 0.2978, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **75.8201, 0.2853, 0.3214**, and if you desaturate by 10%, it is **87.6431, 0.3159, 0.3298**.

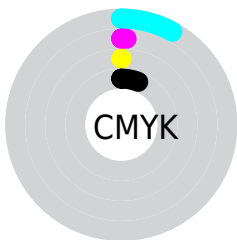
Distribution



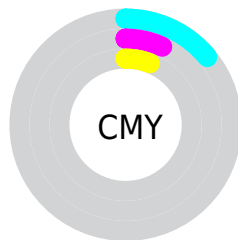
- Red (86%)
- Green (93%)
- Blue (94%)



- Red (86%)
- Yellow (90%)
- Blue (94%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (14%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4385, 0.3004, 0.3258 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 81.4385, 0.3004, 0.3258 by changing the saturation by 10% instead.

81.4385, 0.3004,
0.3258

81.4385, 0.3004,
0.3258

499.7676, 0.3060,
0.3273

60.9028, 0.2992,
0.3255

135.3863, 0.3023,
0.3263

44.1467, 0.2976,
0.3250

169.5672, 0.3031,
0.3265

30.7859, 0.2957,
0.3245

209.0653, 0.3037,
0.3267

20.4359, 0.2933,
0.3238

254.2650, 0.3043,
0.3268

12.7123, 0.2900,
0.3229

305.5507, 0.3048,
0.3270

7.2307, 0.2853,
0.3215

363.3067, 0.3052,

3.6068, 0.2784,

0.3271

0.3194

427.9176, 0.3056,
0.3272

■ 1.4561, 0.2666,
0.3156

■ 0.2576, 0.1448,
0.2869

■ 81.4385, 0.3004,
0.3258

■ 81.4385, 0.3004,
0.3258

■ 75.8201, 0.2853,
0.3214

■ 87.6431, 0.3159,
0.3298

■ 70.7547, 0.2708,
0.3167

■ 91.9379, 0.3230,
0.3335

■ 66.2215, 0.2573,
0.3117

■ 94.2325, 0.3227,
0.3371

■ 62.1940, 0.2452,
0.3063

■ 96.5742, 0.3223,
0.3407

■ 58.6436, 0.2346,
0.3008

■ 98.9631, 0.3220,
0.3443

■ 55.5382, 0.2258,
0.2951

■ 99.0132, 0.3220,
0.3444

■ 52.8415, 0.2189,
0.2894

■ 50.5109, 0.2140,
0.2837

■ 48.4878, 0.2108,
0.2781

Harmonies

Analogous

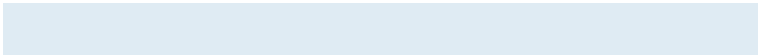
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4385, 0.3040, 0.3318



81.4385, 0.3004, 0.3258



81.4385, 0.3001, 0.3207

Triad

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



81.4385, 0.3004, 0.3258



81.4385, 0.3155, 0.3211



81.4385, 0.3223, 0.3402

Complementary

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



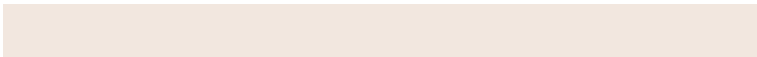
81.4385, 0.3004, 0.3258



76.2957, 0.3261, 0.3322

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.



81.4385, 0.3255, 0.3372



81.4385, 0.3004, 0.3258



81.4385, 0.3215, 0.3262

Square

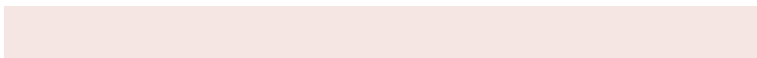
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4385, 0.3004, 0.3258



81.4385, 0.3088, 0.3181



81.4385, 0.3252, 0.3320



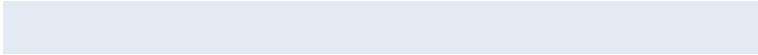
81.4385, 0.3166, 0.3402

Rectangle

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



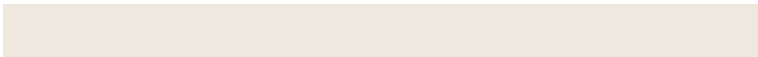
81.4385, 0.3004, 0.3258



81.4385, 0.3018, 0.3185



81.4385, 0.3252, 0.3320



81.4385, 0.3237, 0.3395

Sweetspot

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



81.4419, 0.3004, 0.3258



98.5316, 0.3096, 0.3282



82.2773, 0.3100, 0.3462



21.1053, 0.3098, 0.3283



0.0000, 0.0000, 0.0000



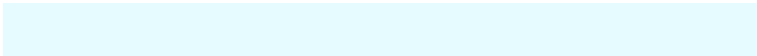
21.4041, 0.3127, 0.3290

Same Dimension

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



81.4419, 0.3004, 0.3258



92.9324, 0.2972, 0.3249



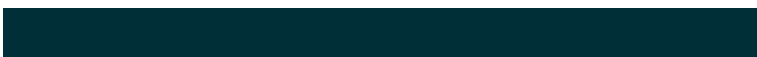
76.1928, 0.3004, 0.3159



17.4780, 0.2981, 0.3252



26.7347, 0.2105, 0.2779



2.3373, 0.2126, 0.2853

Inverse Universe

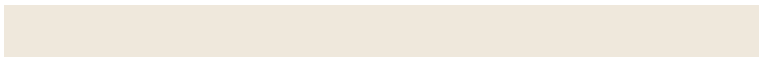
The Inverse Universe completely reimagines the original color for something new.



75.5903, 0.3156, 0.3125



84.5385, 0.3164, 0.3082



81.4358, 0.3252, 0.3418



15.9859, 0.3162, 0.3094



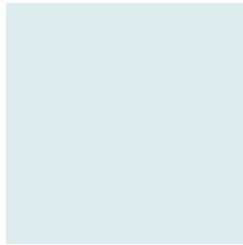
12.4922, 0.3654, 0.1787



1.0507, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 81.4385, 0.3004, 0.3258 looks on a white background.

Color Contrast Check

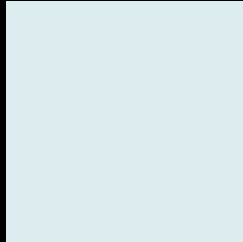
Large Text (above 18pt) WCAG AA × Fail

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 81.4385, 0.3004, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

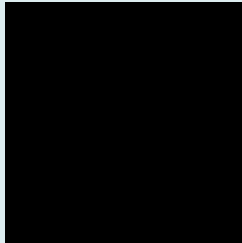
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

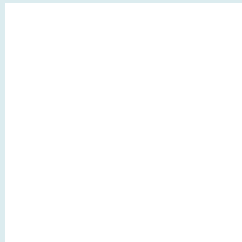
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4385, 0.3004, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 81.4385, 0.3004, 0.3258.

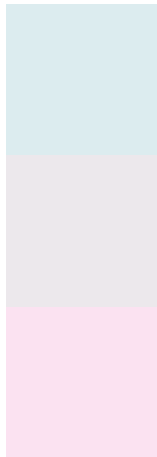


This preview shows how white text looks on a background with the Yxy color 81.4385, 0.3004, 0.3258.

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

81.4385, 0.3004, 0.3258

Protanopia

81.6022, 0.3129, 0.3249

Deuteranopia

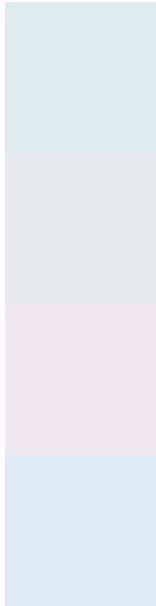
81.2528, 0.3204, 0.3141



Tritanopia

81.4035, 0.2940, 0.3104

Trichromacy



Original Color

81.4385, 0.3004, 0.3258

Protanomaly

81.2152, 0.3082, 0.3248

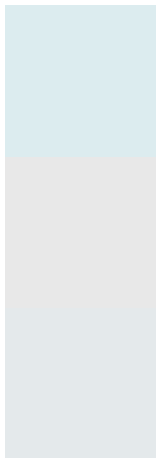
Deuteranomaly

81.4102, 0.3132, 0.3189

Tritanomaly

81.5042, 0.2963, 0.3165

Monochromacy



Original Color

81.4385, 0.3004, 0.3258

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7700, 0.3081, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4385, 0.3004, 0.3258 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(220, 236, 239)` looks like.

```
.text, #text, p{  
    color:rgb(220, 236, 239)  
}
```

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(220, 236, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 236, 239) }
```

Border

The CSS property to change the border of an element to Yxy 81.4385, 0.3004, 0.3258 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(220, 236, 239) }
```

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

```
.border{ border-color:rgb(220, 236, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 236, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 236, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 236, 239);  
box-shadow:4px 4px 4px 4px rgb(220, 236,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4385, 0.3004, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 236, 239) }
```

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

```
.background{ background-color: rgb(220,  
236, 239) }
```

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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