

Converting Colors

Yxy(83.0611, 0.3066, 0.3397)

Have a look what the booklet for
Yxy(83.0611, 0.3066, 0.3397)
contains.

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Color

Yxy(83.3495, 0.3070, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	DDF0E5
RGB	221, 240, 229
RGB Percent	87%, 94%, 90%
CMY	0.1332, 0.0588, 0.1021
CMYK	0.08, 0.00, 0.05, 0.06
HSL	145°, 39%, 90%
HSV	145°, 8%, 94%
XYZ	75.1271, 83.3495, 86.2371
YIQ	233.0650, -7.7930, -7.4490

Conversions

Conversions Part 2

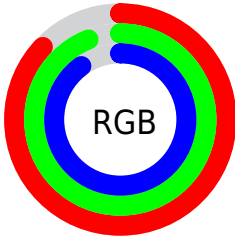
Format	Color
R _Y B	221, 234, 240
Decimal	14545125
CIE Lab	93.17, -8.25, 3.18
CIE LCh	93, 8.840, 158.947
Yxy	83.3495, 0.3070, 0.3406
Android (android.graphics.Color)	4292735205 (0xFFDDDF0E5)
YUV	233.0650, -2.0040, -10.5810
Hunter-Lab	91.2959, -12.8809, 7.9025

Details

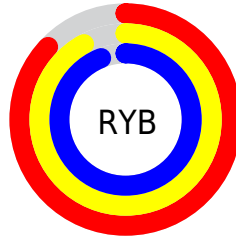
The Yxy color **83.3495, 0.3070, 0.3406** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.0882, 0.3189, 0.3177**, and the grayscale version is **81.5621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4440, 0.3054, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **79.1020, 0.2999, 0.3569**, and if you desaturate by 10%, it is **88.2053, 0.3142, 0.3261**.

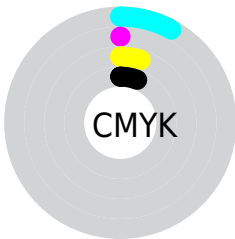
Distribution



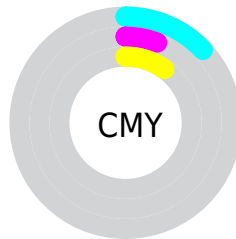
- Red (87%)
- Green (94%)
- Blue (90%)



- Red (87%)
- Yellow (92%)
- Blue (94%)



- Cyan (8%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (13%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3495, 0.3070, 0.3406 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 83.3495, 0.3070, 0.3406 by changing the saturation by 10% instead.

83.3495, 0.3070,
0.3406

83.3495, 0.3070,
0.3406

506.1506, 0.3096,
0.3353

62.4785, 0.3064,
0.3418

138.0649, 0.3079,
0.3388

45.4195, 0.3057,
0.3433

172.6780, 0.3083,
0.3381

31.7879, 0.3048,
0.3451

212.6407, 0.3086,
0.3375

21.1996, 0.3036,
0.3475

258.3373, 0.3088,
0.3369

13.2700, 0.3020,
0.3507

310.1522, 0.3091,
0.3364

7.6147, 0.2998,
0.3553

368.4697, 0.3093,

3.8494, 0.2963,

0.3360

0.3623

433.6744, 0.3094,
0.3357

■ 1.5897, 0.2903,
0.3744

■ 0.3506, 0.2053,
0.5459

■ 83.3495, 0.3070,
0.3406

■ 83.3495, 0.3070,
0.3406

■ 79.1020, 0.2999,
0.3569

■ 88.2053, 0.3142,
0.3261

■ 75.4279, 0.2931,
0.3750

■ 90.7991, 0.3134,
0.3146

■ 72.3049, 0.2869,
0.3949

■ 69.7052, 0.2817,
0.4162

■ 67.5983, 0.2778,
0.4387

■ 65.9505, 0.2755,
0.4617

■ 64.7237, 0.2750,
0.4844

■ 63.8732, 0.2765,
0.5061

■ 63.3386, 0.2798,
0.5260

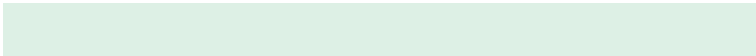
Harmonies

Analogous

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



83.3495, 0.3173, 0.3459



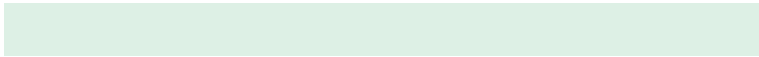
83.3495, 0.3070, 0.3406



83.3495, 0.2984, 0.3321

Triad

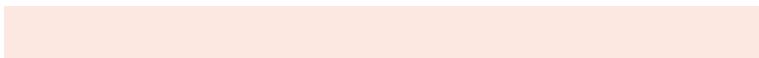
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3495, 0.3070, 0.3406



83.3495, 0.2990, 0.3119



83.3495, 0.3322, 0.3347

Complementary

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



83.3495, 0.3070, 0.3406



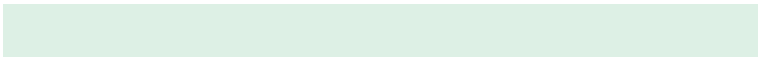
76.0882, 0.3189, 0.3177

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.



83.3495, 0.3272, 0.3258



83.3495, 0.3070, 0.3406



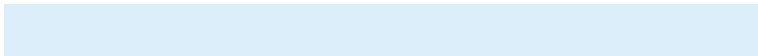
83.3495, 0.3079, 0.3128

Square

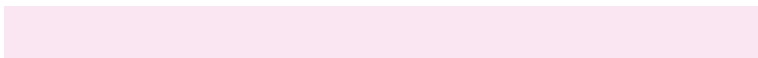
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



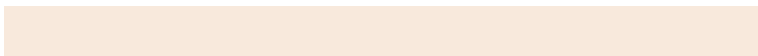
83.3495, 0.3070, 0.3406



83.3495, 0.2938, 0.3155



83.3495, 0.3183, 0.3178



83.3495, 0.3319, 0.3423

Rectangle

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



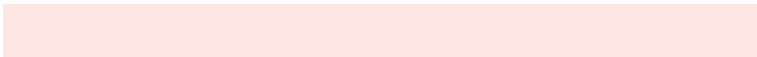
83.3495, 0.3070, 0.3406



83.3495, 0.2947, 0.3258



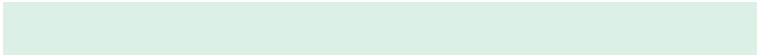
83.3495, 0.3183, 0.3178



83.3495, 0.3311, 0.3317

Sweetspot

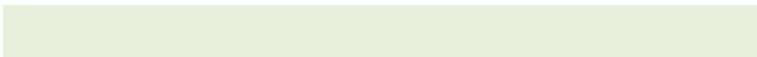
The Sweet Spot groups the original color and five complimentary colors.



83.3530, 0.3070, 0.3406



98.8560, 0.3113, 0.3318



84.7139, 0.3191, 0.3487



21.1712, 0.3113, 0.3317



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.



83.3530, 0.3070, 0.3406



95.0743, 0.3062, 0.3424



83.8950, 0.3014, 0.3306



17.7662, 0.3059, 0.3431



34.6487, 0.2797, 0.5270



2.9019, 0.2725, 0.5009

Inverse Universe

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



76.0882, 0.3189, 0.3177



85.6181, 0.3198, 0.3160



75.5656, 0.3252, 0.3274



15.9130, 0.3202, 0.3154



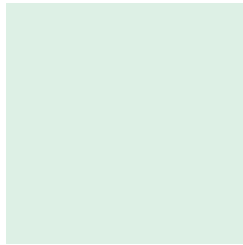
11.1974, 0.4616, 0.2317



0.9513, 0.4380, 0.2186

Previews

White Background



This preview shows how the Yxy color 83.3495, 0.3070, 0.3406 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 83.3495, 0.3070, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

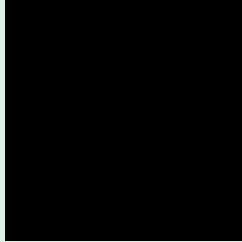
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

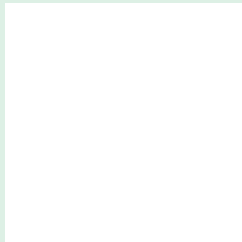
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3495, 0.3070, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 83.3495, 0.3070, 0.3406.

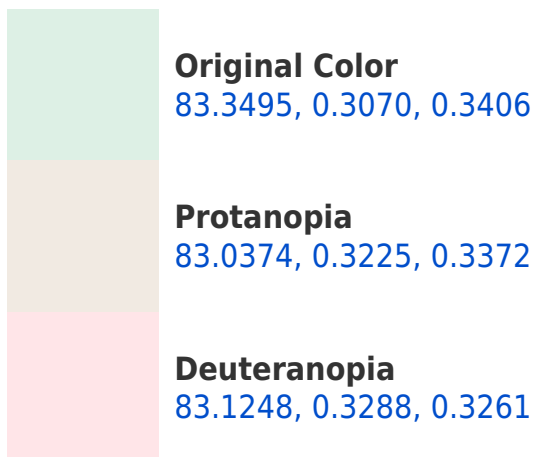


This preview shows how white text looks on a background with the Yxy color 83.3495, 0.3070, 0.3406.

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

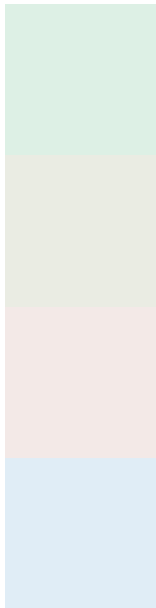




Tritanopia

83.2185, 0.2942, 0.3096

Trichromacy



Original Color

83.3495, 0.3070, 0.3406

Protanomaly

83.0294, 0.3170, 0.3383

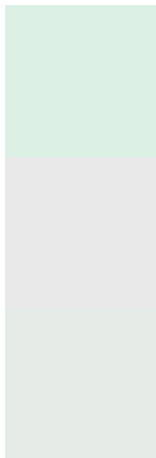
Deuteranomaly

83.1020, 0.3208, 0.3311

Tritanomaly

83.0695, 0.2989, 0.3197

Monochromacy



Original Color

83.3495, 0.3070, 0.3406

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.4751, 0.3105, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3495, 0.3070, 0.3406 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(221, 240, 229)` looks like.

```
.text, #text, p{  
    color:rgb(221, 240, 229)  
}
```

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(221, 240, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 240, 229) }
```

Border

The CSS property to change the border of an element to Yxy 83.3495, 0.3070, 0.3406 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(221, 240, 229) }
```

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

```
.border{ border-color:rgb(221, 240, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 240, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 240, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 240, 229); box-shadow:4px 4px 4px 4px rgb(221, 240, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3495, 0.3070, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 240, 229) }
```

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

```
.background{ background-color: rgb(221,  
240, 229) }
```

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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