

Converting Colors

$Yxy(83.1892, 0.3023, 0.3336)$

Have a look what the booklet for
Yxy(83.1892, 0.3023, 0.3336)
contains.

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Color

Yxy(83.3784, 0.3021, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	DBF0EB
RGB	219, 240, 235
RGB Percent	86%, 94%, 92%
CMY	0.1412, 0.0588, 0.0783
CMYK	0.09, 0.00, 0.02, 0.06
HSL	166°, 41%, 90%
HSV	166°, 9%, 94%
XYZ	75.3699, 83.3784, 90.7383
YIQ	233.1510, -10.9110, -6.0070

Conversions

Conversions Part 2

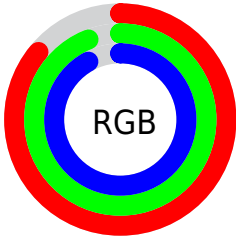
Format	Color
R _{YB}	219, 231, 240
Decimal	14414059
CIE Lab	93.18, -7.81, 0.03
CIE LCh	93, 7.807, 179.763
Yxy	83.3784, 0.3021, 0.3342
Android (android.graphics.Color)	4292604139 (0xFFDBF0EB)
YUV	233.1510, 0.9116, -12.4104
Hunter-Lab	91.3118, -12.4595, 5.0006

Details

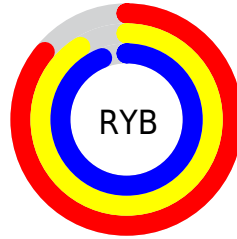
The Yxy color **83.3784, 0.3021, 0.3342** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.5656, 0.3245, 0.3239**, and the grayscale version is **81.6066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4282, 0.3000, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **79.6006, 0.2904, 0.3407**, and if you desaturate by 10%, it is **87.7104, 0.3142, 0.3283**.

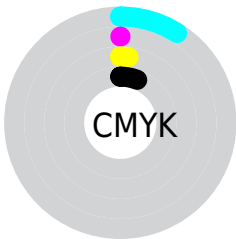
Distribution



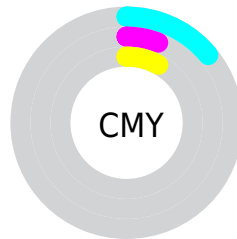
- Red (86%)
- Green (94%)
- Blue (92%)



- Red (86%)
- Yellow (91%)
- Blue (94%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (6%)



- Cyan (14%)
- Magenta (6%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3784, 0.3021, 0.3342 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 83.3784, 0.3021, 0.3342 by changing the saturation by 10% instead.

83.3784, 0.3021,
0.3342

83.3784, 0.3021,
0.3342

506.2468, 0.3069,
0.3319

62.5024, 0.3010,
0.3347

138.1053, 0.3037,
0.3334

45.4387, 0.2997,
0.3354

172.7250, 0.3044,
0.3331

31.8031, 0.2981,
0.3362

212.6946, 0.3049,
0.3328

21.2112, 0.2960,
0.3372

258.3987, 0.3054,
0.3326

13.2785, 0.2931,
0.3386

310.2216, 0.3059,
0.3324

7.6206, 0.2892,
0.3405

368.5476, 0.3062,

3.8531, 0.2832,

0.3322

0.3434

433.7612, 0.3066,
0.3320

■ 1.5918, 0.2732,
0.3483

■ 0.3520, 0.1642,
0.4014

■ 83.3784, 0.3021,
0.3342

■ 83.3784, 0.3021,
0.3342

■ 79.6006, 0.2904,
0.3407

■ 87.7104, 0.3142,
0.3283

■ 76.3435, 0.2796,
0.3478


■ 90.2615, 0.3187,
0.3228


■ 73.5859, 0.2698,
0.3555

■ 90.6168, 0.3152,
0.3174


■ 71.3014, 0.2614,
0.3636

■ 90.8032, 0.3134,
0.3146

 69.4609, 0.2546,
0.3721

 68.0318, 0.2497,
0.3809

 66.9774, 0.2468,
0.3898

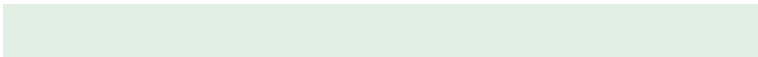
 66.2540, 0.2458,
0.3986

 65.7974, 0.2467,
0.4074

Harmonies

Analogous

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



83.3784, 0.3104, 0.3410



83.3784, 0.3021, 0.3342



83.3784, 0.2967, 0.3260

Triad

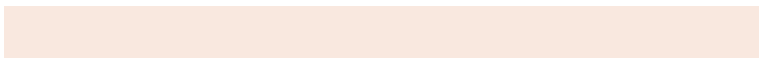
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3784, 0.3021, 0.3342



83.3784, 0.3059, 0.3140



83.3784, 0.3303, 0.3389

Complementary

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



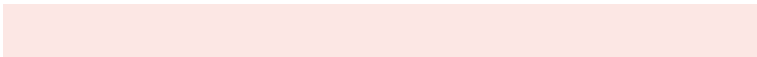
83.3784, 0.3021, 0.3342



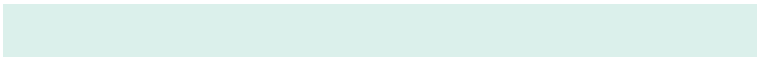
74.5656, 0.3245, 0.3239

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.



83.3784, 0.3291, 0.3317



83.3784, 0.3021, 0.3342



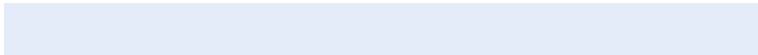
83.3784, 0.3149, 0.3174

Square

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



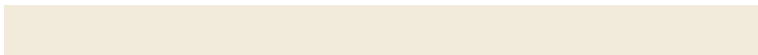
83.3784, 0.3021, 0.3342



83.3784, 0.2988, 0.3144



83.3784, 0.3234, 0.3238



83.3784, 0.3267, 0.3437

Rectangle

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



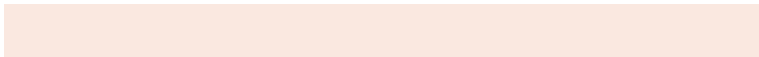
83.3784, 0.3021, 0.3342



83.3784, 0.2953, 0.3209



83.3784, 0.3234, 0.3238



83.3784, 0.3304, 0.3367

Sweetspot

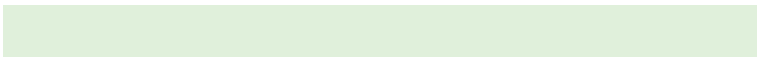
The Sweet Spot groups the original color and five complimentary colors.



83.3819, 0.3021, 0.3342



98.4617, 0.3090, 0.3307



83.3239, 0.3151, 0.3512



20.9890, 0.3081, 0.3312



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.



83.3819, 0.3021, 0.3342



94.6422, 0.2994, 0.3356



80.6253, 0.2992, 0.3234



17.8612, 0.3012, 0.3347



36.0117, 0.2464, 0.4071



3.0111, 0.2432, 0.3955

Inverse Universe

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



74.5656, 0.3245, 0.3239



82.0880, 0.3280, 0.3225



77.0838, 0.3274, 0.3345



15.8202, 0.3256, 0.3234



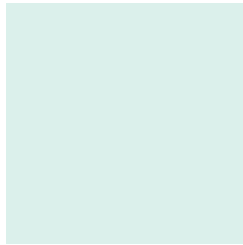
10.3191, 0.5969, 0.3062



0.8734, 0.5603, 0.2861

Previews

White Background



This preview shows how the Yxy color 83.3784, 0.3021, 0.3342 looks on a white background.

Color Contrast Check

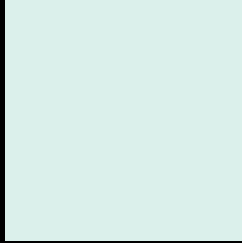
Large Text (above 18pt) WCAG AA × Fail

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 83.3784, 0.3021, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

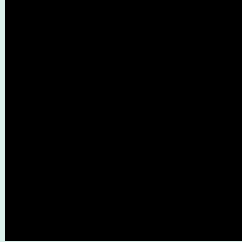
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

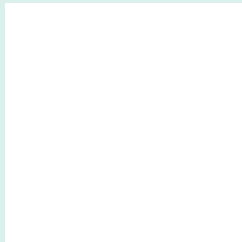
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3784, 0.3021, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 83.3784, 0.3021, 0.3342.

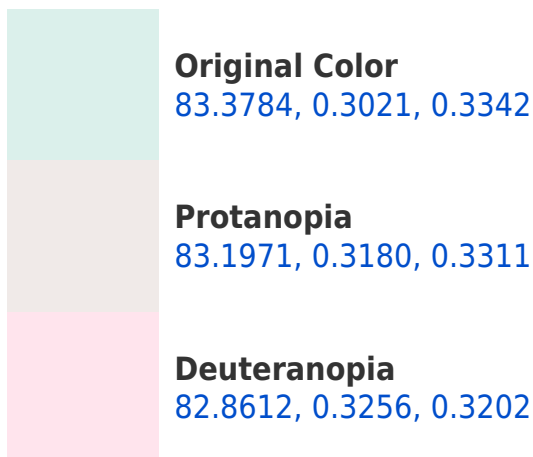


This preview shows how white text looks on a background with the Yxy color 83.3784, 0.3021, 0.3342.

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

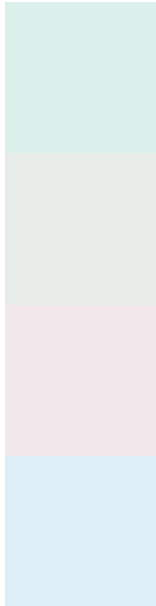




Tritanopia

83.4763, 0.2930, 0.3105

Trichromacy



Original Color

83.3784, 0.3021, 0.3342

Protanomaly

83.0299, 0.3119, 0.3321

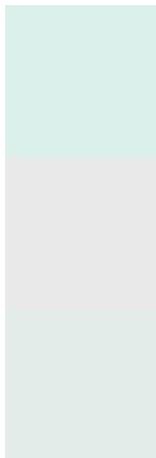
Deuteranomaly

82.6466, 0.3170, 0.3250

Tritanomaly

83.4560, 0.2964, 0.3186

Monochromacy



Original Color

83.3784, 0.3021, 0.3342

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.4254, 0.3086, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3784, 0.3021, 0.3342 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(219, 240, 235)` looks like.

```
.text, #text, p{  
    color:rgb(219, 240, 235)  
}
```

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(219, 240, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 240, 235) }
```

Border

The CSS property to change the border of an element to Yxy 83.3784, 0.3021, 0.3342 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(219, 240, 235) }
```

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

```
.border{ border-color:rgb(219, 240, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 240, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 240, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 240, 235);  
box-shadow:4px 4px 4px 4px rgb(219, 240,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3784, 0.3021, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 240, 235) }
```

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

```
.background{ background-color: rgb(219,  
240, 235) }
```

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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