

Converting Colors

Yxy(82.1718, 0.3181, 0.3490)

Have a look what the booklet for
Yxy(82.1718, 0.3181, 0.3490)
contains.

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Color

Yxy(82.1243, 0.3185, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	E4EDDA
RGB	228, 237, 218
RGB Percent	89%, 93%, 85%
CMY	0.1057, 0.0706, 0.1450
CMYK	0.04, 0.00, 0.08, 0.07
HSL	88°, 35%, 89%
HSV	88°, 8%, 93%
XYZ	74.9472, 82.1243, 78.2416
YIQ	232.1430, 0.7350, -7.8170

Conversions

Conversions Part 2

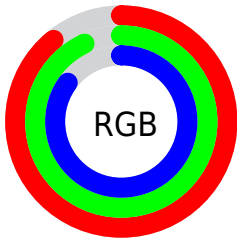
Format	Color
R_{YB}	218, 237, 227
Decimal	15003098
CIE Lab	92.63, -6.30, 8.15
CIE LCh	93, 10.305, 127.699
Yxy	82.1243, 0.3185, 0.3490
Android (android.graphics.Color)	4293193178 (0xFFE4EDDA)
YUV	232.1430, -6.9725, -3.6334
Hunter-Lab	90.6225, -10.9649, 12.2459

Details

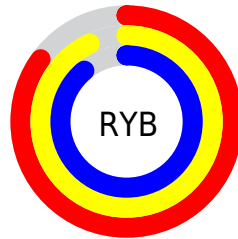
The Yxy color $82.1243, 0.3185, 0.3490$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $72.5894, 0.3066, 0.3090$, and the grayscale version is $80.8696, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.5763, 0.3202, 0.3536$ is the 20% darker color. If you saturate the color by 10%, you get $79.2061, 0.3257, 0.3758$, and if you desaturate by 10%, it is $85.3450, 0.3113, 0.3242$.

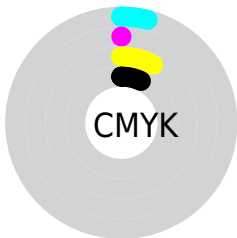
Distribution



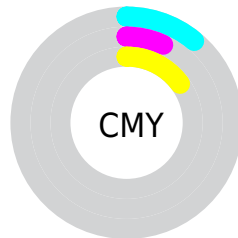
- Red (89%)
- Green (93%)
- Blue (85%)



- Red (85%)
- Yellow (93%)
- Blue (89%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1243, 0.3185, 0.3490 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 82.1243, 0.3185, 0.3490 by changing the saturation by 10% instead.

82.1243, 0.3185,
0.3490

82.1243, 0.3185,
0.3490

502.0634, 0.3159,
0.3398

61.4680, 0.3191,
0.3511

136.3483, 0.3176,
0.3458

44.6030, 0.3197,
0.3536

170.6848, 0.3173,
0.3446

31.1448, 0.3206,
0.3568

210.3501, 0.3170,
0.3435

20.7091, 0.3217,
0.3610

255.7287, 0.3167,
0.3426

12.9116, 0.3231,
0.3667

307.2049, 0.3165,
0.3418

7.3677, 0.3250,
0.3748

365.1632, 0.3163,

3.6931, 0.3278,

0.3411

429.9879, 0.3161,
0.3404

0.3872

1.5034, 0.3321,
0.4089

0.2911, 0.2968,
0.7032

82.1243, 0.3185,
0.3490

82.1243, 0.3185,
0.3490

79.2061, 0.3257,
0.3758

85.3450, 0.3113,
0.3242

76.5700, 0.3326,
0.4044

88.1775, 0.3105,
0.3115

74.2094, 0.3388,
0.4340

89.0427, 0.3135,
0.3117

72.1130, 0.3440,
0.4637

■ 70.2692, 0.3475,
0.4922

■ 68.6647, 0.3492,
0.5179

■ 67.2852, 0.3485,
0.5395

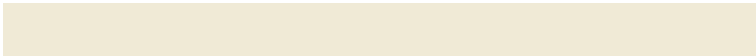
■ 66.1137, 0.3456,
0.5559

■ 65.1279, 0.3406,
0.5668

Harmonies

Analogous

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



82.1243, 0.3291, 0.3494



82.1243, 0.3185, 0.3490



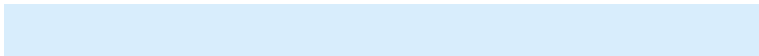
82.1243, 0.3065, 0.3430

Triad

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



82.1243, 0.3185, 0.3490



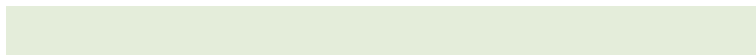
82.1243, 0.2905, 0.3134



82.1243, 0.3293, 0.3248

Complementary

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



82.1243, 0.3185, 0.3490



72.5894, 0.3066, 0.3090

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.



82.1243, 0.3187, 0.3156



82.1243, 0.3185, 0.3490



82.1243, 0.2963, 0.3090

Square

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



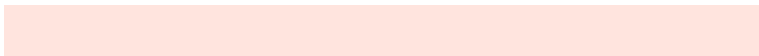
82.1243, 0.3185, 0.3490



82.1243, 0.2905, 0.3221



82.1243, 0.3066, 0.3099



82.1243, 0.3355, 0.3352

Rectangle

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



82.1243, 0.3185, 0.3490



82.1243, 0.2993, 0.3366



82.1243, 0.3066, 0.3099



82.1243, 0.3262, 0.3215

Sweetspot

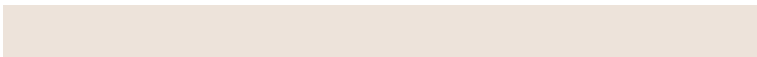
The Sweet Spot groups the original color and five complimentary colors.



82.1278, 0.3185, 0.3490



99.2230, 0.3142, 0.3339



77.9334, 0.3256, 0.3383



21.2460, 0.3141, 0.3336



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.



82.1278, 0.3185, 0.3490



96.2572, 0.3200, 0.3543



80.6313, 0.3122, 0.3494



17.2542, 0.3196, 0.3528



35.5411, 0.3407, 0.5677



2.8480, 0.3509, 0.5596

Inverse Universe

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



72.5894, 0.3066, 0.3090



82.3272, 0.3049, 0.3036



74.1597, 0.3132, 0.3094



14.8969, 0.3054, 0.3052



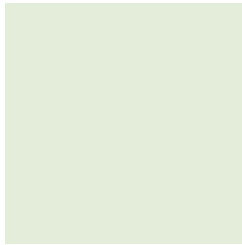
5.2838, 0.1970, 0.0859



0.4718, 0.2122, 0.0943

Previews

White Background



This preview shows how the Yxy color 82.1243, 0.3185, 0.3490 looks on a white background.

Color Contrast Check

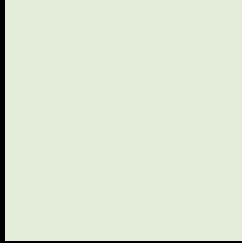
Large Text (above 18pt) WCAG AA × Fail

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 82.1243, 0.3185, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

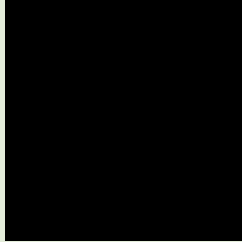
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

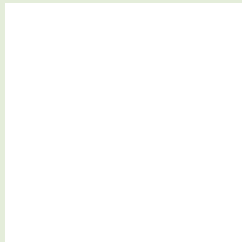
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1243, 0.3185, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 82.1243, 0.3185, 0.3490.

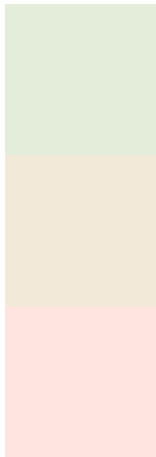


This preview shows how white text looks on a background with the Yxy color 82.1243, 0.3185, 0.3490.

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

82.1243, 0.3185, 0.3490

Protanopia

82.1129, 0.3298, 0.3465

Deuteranopia

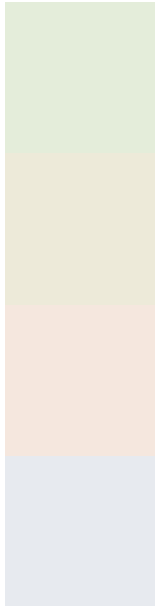
82.1286, 0.3343, 0.3331



Tritanopia

82.0019, 0.3017, 0.3097

Trichromacy



Original Color

82.1243, 0.3185, 0.3490

Protanomaly

81.8599, 0.3256, 0.3467

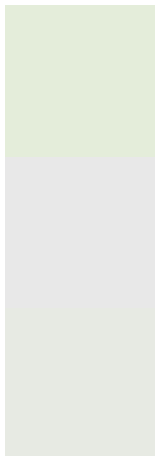
Deuteranomaly

81.8382, 0.3282, 0.3382

Tritanomaly

82.0666, 0.3076, 0.3238

Monochromacy



Original Color

82.1243, 0.3185, 0.3490

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3806, 0.3151, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1243, 0.3185, 0.3490 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(228, 237, 218)` looks like.

```
.text, #text, p{  
    color:rgb(228, 237, 218)  
}
```

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(228, 237, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 237, 218) }
```

Border

The CSS property to change the border of an element to Yxy 82.1243, 0.3185, 0.3490 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(228, 237, 218) }
```

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

```
.border{ border-color:rgb(228, 237, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 237, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 237, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 237, 218);  
box-shadow:4px 4px 4px 4px rgb(228, 237,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1243, 0.3185, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 237, 218) }
```

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

```
.background{ background-color: rgb(228,  
237, 218) }
```

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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