

Converting Colors

$Yxy(82.8054, 0.3256, 0.3533)$

Have a look what the booklet for
Yxy(82.8054, 0.3256, 0.3533)
contains.

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Color

Yxy(82.9158, 0.3251, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	EAEDD6
RGB	234, 237, 214
RGB Percent	92%, 93%, 84%
CMY	0.0822, 0.0706, 0.1607
CMYK	0.01, 0.00, 0.10, 0.07
HSL	68°, 39%, 88%
HSV	68°, 10%, 93%
XYZ	76.3624, 82.9158, 75.6108
YIQ	233.4810, 5.5950, -7.7890

Conversions

Conversions Part 2

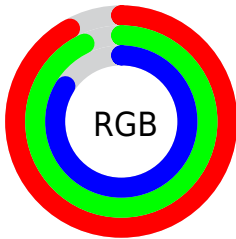
Format	Color
R _Y B	214, 237, 217
Decimal	15396310
CIE Lab	92.98, -4.91, 10.78
CIE LCh	93, 11.850, 114.488
Yxy	82.9158, 0.3251, 0.3530
Android (android.graphics.Color)	4293586390 (0xFFEAEDD6)
YUV	233.4810, -9.6041, 0.4552
Hunter-Lab	91.0581, -9.6595, 14.5088

Details

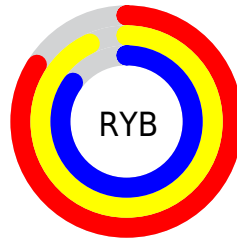
The Yxy color **82.9158, 0.3251, 0.3530** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **68.9676, 0.2996, 0.3041**, and the grayscale version is **81.9435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0159, 0.3279, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **81.2816, 0.3381, 0.3788**, and if you desaturate by 10%, it is **84.7423, 0.3123, 0.3283**.

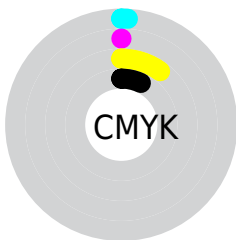
Distribution



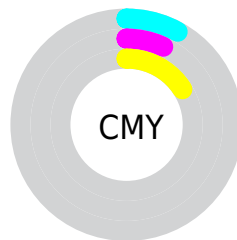
- Red (92%)
- Green (93%)
- Blue (84%)



- Red (84%)
- Yellow (93%)
- Blue (85%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9158, 0.3251, 0.3530 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 82.9158, 0.3251, 0.3530 by changing the saturation by 10% instead.

82.9158, 0.3251,
0.3530

82.9158, 0.3251,
0.3530

504.7059, 0.3196,
0.3420

62.1207, 0.3263,
0.3555

137.4575, 0.3232,
0.3492

45.1302, 0.3278,
0.3585

171.9729, 0.3225,
0.3478

31.5600, 0.3297,
0.3623

211.8306, 0.3218,
0.3465

21.0257, 0.3321,
0.3673

257.4148, 0.3213,
0.3454

13.1428, 0.3352,
0.3739

309.1101, 0.3208,
0.3444

7.5269, 0.3395,
0.3834

367.3007, 0.3203,

3.7938, 0.3459,

0.3435

0.3978

432.3712, 0.3199,
0.3427

■ 1.5589, 0.3567,
0.4233

■ 0.3296, 0.3698,
0.6302

■ 82.9158, 0.3251,
0.3530

■ 82.9158, 0.3251,
0.3530

■ 81.2816, 0.3381,
0.3788

■ 84.7423, 0.3123,
0.3283

■ 79.8213, 0.3510,
0.4049


■ 86.3371, 0.3039,
0.3111

■ 78.5304, 0.3632,
0.4306

■ 86.8776, 0.3058,
0.3113


■ 77.3999, 0.3742,
0.4548


■ 87.4271, 0.3078,
0.3114

 76.4203, 0.3835,
0.4765


 87.9857, 0.3098,
0.3115

 75.5806, 0.3905,
0.4947

 88.5535, 0.3118,
0.3116

 74.8687, 0.3950,
0.5086

 89.0458, 0.3135,
0.3117

 74.2699, 0.3968,
0.5179

 73.7602, 0.3964,
0.5233

Harmonies

Analogous

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



82.9158, 0.3355, 0.3504



82.9158, 0.3251, 0.3530



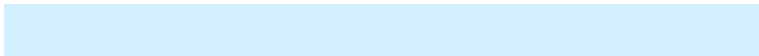
82.9158, 0.3116, 0.3488

Triad

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



82.9158, 0.3251, 0.3530



82.9158, 0.2864, 0.3150



82.9158, 0.3268, 0.3192

Complementary

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



82.9158, 0.3251, 0.3530



68.9676, 0.2996, 0.3041

Split Complementary

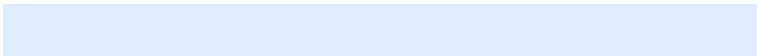
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9158, 0.3134, 0.3103



82.9158, 0.3251, 0.3530



82.9158, 0.2903, 0.3076

Square

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



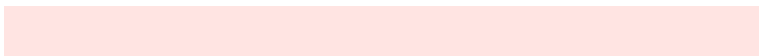
82.9158, 0.3251, 0.3530



82.9158, 0.2894, 0.3265



82.9158, 0.3001, 0.3060



82.9158, 0.3366, 0.3308

Rectangle

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



82.9158, 0.3251, 0.3530



82.9158, 0.3026, 0.3428



82.9158, 0.3001, 0.3060



82.9158, 0.3226, 0.3158

Sweetspot

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



82.9194, 0.3251, 0.3530



99.3302, 0.3165, 0.3363



72.3317, 0.3294, 0.3319



21.2232, 0.3175, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

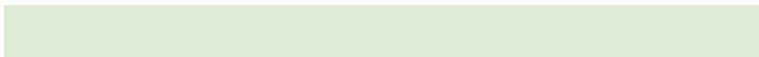
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9194, 0.3251, 0.3530



97.4420, 0.3282, 0.3590



81.0826, 0.3175, 0.3536



17.5226, 0.3248, 0.3524



40.3046, 0.3968, 0.5231



3.1924, 0.4001, 0.5205

Inverse Universe

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



68.9676, 0.2996, 0.3041



77.2979, 0.2962, 0.2977



70.7428, 0.3075, 0.3047



14.6421, 0.3000, 0.3048



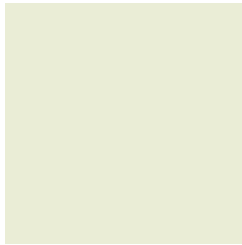
3.5248, 0.1549, 0.0627



0.3067, 0.1647, 0.0681

Previews

White Background



This preview shows how the Yxy color 82.9158, 0.3251, 0.3530 looks on a white background.

Color Contrast Check

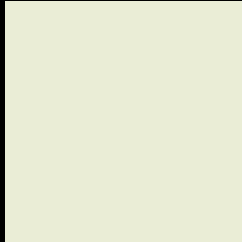
Large Text (above 18pt) WCAG AA × Fail

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 82.9158, 0.3251, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

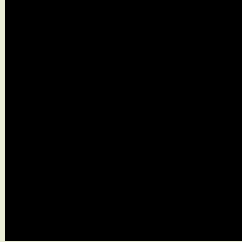
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

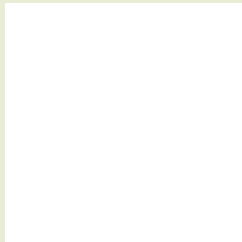
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9158, 0.3251, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 82.9158, 0.3251, 0.3530.

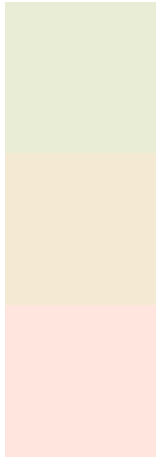


This preview shows how white text looks on a background with the Yxy color 82.9158, 0.3251, 0.3530.

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

82.9158, 0.3251, 0.3530

Protanopia

82.8322, 0.3337, 0.3516

Deuteranopia

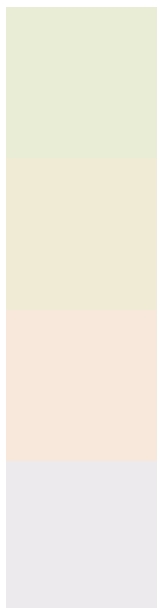
82.5725, 0.3355, 0.3360



Tritanopia

82.9661, 0.3062, 0.3109

Trichromacy



Original Color

82.9158, 0.3251, 0.3530

Protanomaly

82.7460, 0.3301, 0.3518

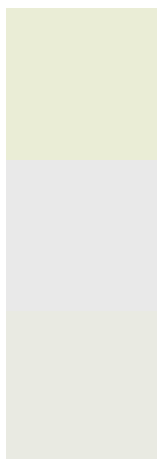
Deuteranomaly

82.6019, 0.3315, 0.3423

Tritanomaly

82.9646, 0.3129, 0.3259

Monochromacy



Original Color

82.9158, 0.3251, 0.3530

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.6603, 0.3171, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9158, 0.3251, 0.3530 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(234, 237, 214)` looks like.

```
.text, #text, p{  
    color:rgb(234, 237, 214)  
}
```

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(234, 237, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 237, 214) }
```

Border

The CSS property to change the border of an element to Yxy 82.9158, 0.3251, 0.3530 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(234, 237, 214) }
```

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

```
.border{ border-color:rgb(234, 237, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 237, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 237, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 237, 214);  
box-shadow:4px 4px 4px 4px rgb(234, 237,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9158, 0.3251, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 237, 214) }
```

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

```
.background{ background-color: rgb(234,  
237, 214) }
```

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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