

Converting Colors

Yxy(82.8806, 0.3166, 0.3469)

Have a look what the booklet for
Yxy(82.8806, 0.3166, 0.3469)
contains.

Yxy(82.8635, 0.3165, 0.3469)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.8635, 0.3165, 0.3469)

Conversions

Conversions Part 1

Format	Color
Hex	E4EEDD
RGB	228, 238, 221
RGB Percent	89%, 93%, 87%
CMY	0.1062, 0.0666, 0.1334
CMYK	0.04, 0.00, 0.07, 0.07
HSL	96°, 33%, 90%
HSV	96°, 7%, 93%
XYZ	75.6019, 82.8635, 80.4032
YIQ	233.0720, -0.5030, -7.4070

Conversions

Conversions Part 2

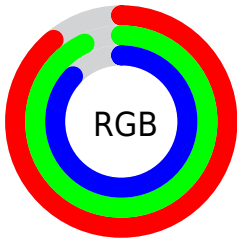
Format	Color
R _Y B	221, 238, 231
Decimal	15003357
CIE Lab	92.95, -6.36, 7.08
CIE LCh	93, 9.518, 131.942
Yxy	82.8635, 0.3165, 0.3469
Android (android.graphics.Color)	4293193437 (0xFFE4EEDD)
YUV	233.0720, -5.9515, -4.4481
Hunter-Lab	91.0294, -11.0533, 11.3517

Details

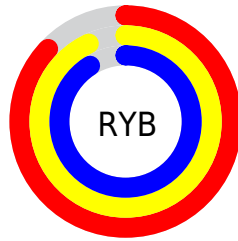
The Yxy color **82.8635, 0.3165, 0.3469** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.8808, 0.3087, 0.3112**, and the grayscale version is **81.5823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0933, 0.3177, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **79.4750, 0.3217, 0.3740**, and if you desaturate by 10%, it is **86.6271, 0.3112, 0.3223**.

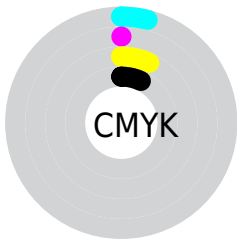
Distribution



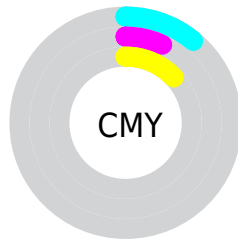
- Red (89%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (91%)



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



- Cyan (11%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8635, 0.3165, 0.3469 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 82.8635, 0.3165, 0.3469 by changing the saturation by 10% instead.

82.8635, 0.3165,
0.3469

82.8635, 0.3165,
0.3469

504.5315, 0.3148,
0.3387

62.0776, 0.3169,
0.3487

137.3843, 0.3159,
0.3441

45.0954, 0.3173,
0.3510

171.8879, 0.3157,
0.3430

31.5325, 0.3178,
0.3539

211.7328, 0.3155,
0.3420

21.0047, 0.3185,
0.3576

257.3035, 0.3153,
0.3412

13.1274, 0.3194,
0.3626

308.9843, 0.3152,
0.3405

7.5164, 0.3206,
0.3698

367.1597, 0.3151,

3.7871, 0.3223,

0.3398

0.3808

432.2139, 0.3149,
0.3392

■ 1.5552, 0.3249,
0.3999

■ 0.3271, 0.3224,
0.6776

■ 82.8635, 0.3165,
0.3469

■ 82.8635, 0.3165,
0.3469

■ 79.4750, 0.3217,
0.3740

■ 86.6271, 0.3112,
0.3223

■ 76.4388, 0.3266,
0.4032

■ 89.6449, 0.3135,
0.3127

■ 73.7459, 0.3308,
0.4340

■ 71.3828, 0.3341,
0.4654

■ 69.3349, 0.3360,
0.4961

■ 67.5863, 0.3362,
0.5242

■ 66.1196, 0.3344,
0.5481

■ 64.9150, 0.3307,
0.5663

■ 63.9479, 0.3255,
0.5783

Harmonies

Analogous

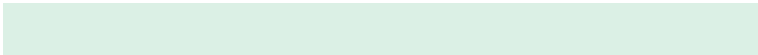
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8635, 0.3266, 0.3480



82.8635, 0.3165, 0.3469



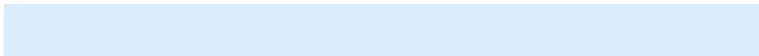
82.8635, 0.3055, 0.3407

Triad

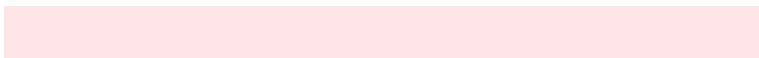
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8635, 0.3165, 0.3469



82.8635, 0.2927, 0.3138



82.8635, 0.3291, 0.3265

Complementary

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



82.8635, 0.3165, 0.3469



74.8808, 0.3087, 0.3112

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.



82.8635, 0.3198, 0.3177



82.8635, 0.3165, 0.3469



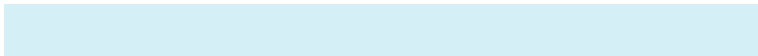
82.8635, 0.2988, 0.3104

Square

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



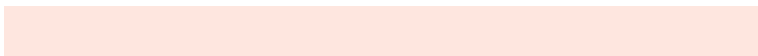
82.8635, 0.3165, 0.3469



82.8635, 0.2919, 0.3214



82.8635, 0.3087, 0.3119



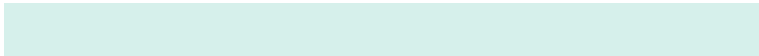
82.8635, 0.3340, 0.3360

Rectangle

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



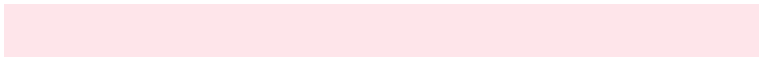
82.8635, 0.3165, 0.3469



82.8635, 0.2991, 0.3346



82.8635, 0.3087, 0.3119



82.8635, 0.3264, 0.3233

Sweetspot

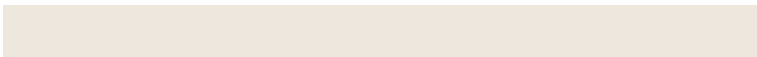
The Sweet Spot groups the original color and five complimentary colors.



82.8671, 0.3165, 0.3469



99.1073, 0.3138, 0.3339



80.5115, 0.3240, 0.3393



21.2224, 0.3137, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

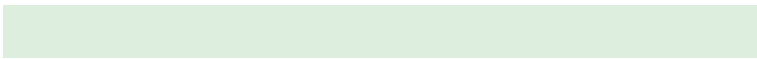
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8671, 0.3165, 0.3469



96.1211, 0.3175, 0.3518



81.8300, 0.3110, 0.3456



17.9709, 0.3177, 0.3530



35.6043, 0.3250, 0.5801



3.0186, 0.3353, 0.5720

Inverse Universe

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



74.8808, 0.3087, 0.3112



84.4901, 0.3075, 0.3064



75.9773, 0.3145, 0.3129



15.6915, 0.3073, 0.3053



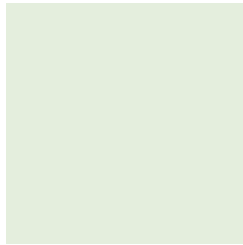
6.6801, 0.2215, 0.0994



0.6137, 0.2343, 0.1064

Previews

White Background



This preview shows how the Yxy color 82.8635, 0.3165, 0.3469 looks on a white background.

Color Contrast Check

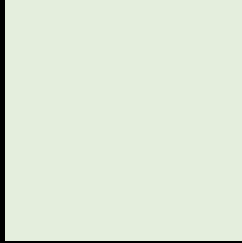
Large Text (above 18pt) WCAG AA × Fail

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 82.8635, 0.3165, 0.3469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

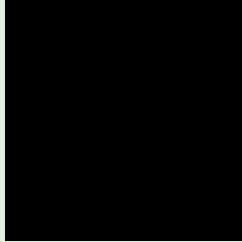
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

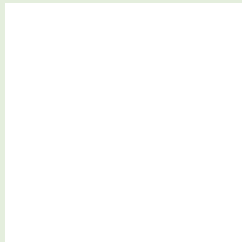
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8635, 0.3165, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 82.8635, 0.3165, 0.3469.

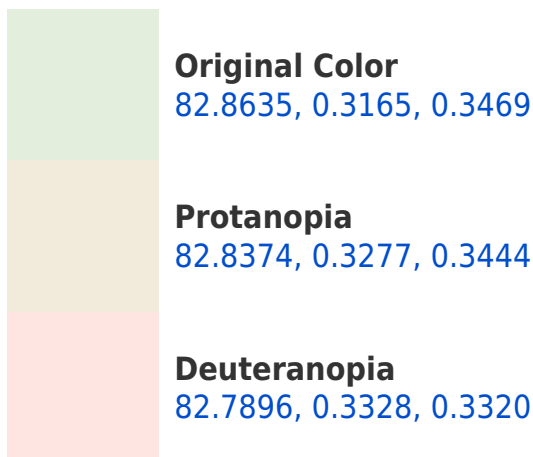


This preview shows how white text looks on a background with the Yxy color 82.8635, 0.3165, 0.3469.

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

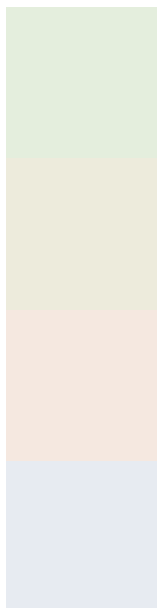




Tritanopia

82.6297, 0.3011, 0.3098

Trichromacy



Original Color

82.8635, 0.3165, 0.3469

Protanomaly

82.5885, 0.3235, 0.3445

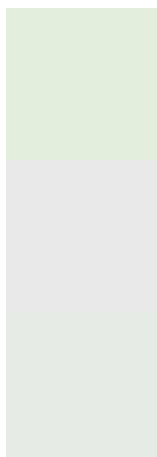
Deuteranomaly

82.5075, 0.3268, 0.3372

Tritanomaly

82.7565, 0.3064, 0.3228

Monochromacy



Original Color

82.8635, 0.3165, 0.3469

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0627, 0.3138, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8635, 0.3165, 0.3469 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, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(228, 238, 221)  
}
```

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, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 82.8635, 0.3165, 0.3469 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, 238, 221) }
```

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

```
.border{ border-color:rgb(228, 238, 221) }
```

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

Here you see how a box with a 4 pixel rgb(228, 238, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(228, 238,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8635, 0.3165, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 238, 221) }
```

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

```
.background{ background-color: rgb(228,  
238, 221) }
```

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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