

Converting Colors

$Yxy(81.9961, 0.3168, 0.3417)$

Have a look what the booklet for
Yxy(81.9961, 0.3168, 0.3417)
contains.

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Color

Yxy(82.1416, 0.3168, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	E6ECDF
RGB	230, 236, 223
RGB Percent	90%, 93%, 87%
CMY	0.0979, 0.0745, 0.1255
CMYK	0.03, 0.00, 0.06, 0.07
HSL	88°, 25%, 90%
HSV	88°, 6%, 93%
XYZ	75.9558, 82.1416, 81.6621
YIQ	232.7240, 0.5970, -5.3150

Conversions

Conversions Part 2

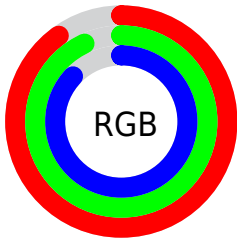
Format	Color
R _Y B	223, 236, 229
Decimal	15133919
CIE Lab	92.64, -4.27, 5.59
CIE LCh	93, 7.038, 127.369
Yxy	82.1416, 0.3168, 0.3426
Android (android.graphics.Color)	4293323999 (0xFFE6ECDF)
YUV	232.7240, -4.7939, -2.3889
Hunter-Lab	90.6320, -9.0108, 10.0204

Details

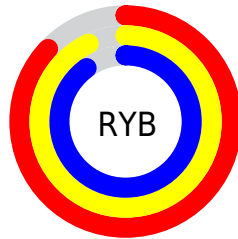
The Yxy color **82.1416, 0.3168, 0.3426** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4824, 0.3085, 0.3154**, and the grayscale version is **81.3092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5836, 0.3180, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **79.2238, 0.3242, 0.3689**, and if you desaturate by 10%, it is **85.3551, 0.3094, 0.3184**.

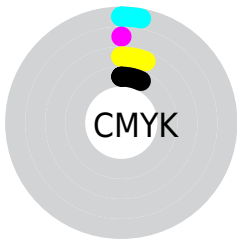
Distribution



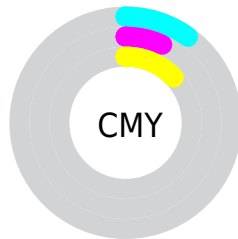
- Red (90%)
- Green (93%)
- Blue (87%)



- Red (87%)
- Yellow (93%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1416, 0.3168, 0.3426 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 82.1416, 0.3168, 0.3426 by changing the saturation by 10% instead.

■ 82.1416, 0.3168,
0.3426

■ 82.1416, 0.3168,
0.3426

502.1212, 0.3150,
0.3364

■ 61.4823, 0.3172,
0.3440

136.3726, 0.3162,
0.3405

■ 44.6145, 0.3177,
0.3457

170.7130, 0.3159,
0.3396

■ 31.1539, 0.3183,
0.3479

210.3825, 0.3157,
0.3389

■ 20.7161, 0.3191,
0.3507

255.7656, 0.3155,
0.3383

■ 12.9166, 0.3201,
0.3545

307.2466, 0.3154,
0.3377

■ 7.3711, 0.3216,
0.3599

365.2100, 0.3152,

■ 3.6953, 0.3237,

0.3372

0.3682

430.0400, 0.3151,
0.3368

■ 1.5046, 0.3271,
0.3825

■ 0.2920, 0.3724,
0.6276

■ 82.1416, 0.3168,
0.3426

■ 82.1416, 0.3168,
0.3426

■ 79.2238, 0.3242,
0.3689

■ 85.3551, 0.3094,
0.3184

■ 76.5817, 0.3314,
0.3970

■ 87.8446, 0.3114,
0.3106

■ 74.2092, 0.3381,
0.4263

■ 88.4686, 0.3136,
0.3107

■ 72.0955, 0.3438,
0.4559

■ 70.2295, 0.3480,
0.4846

■ 68.5986, 0.3503,
0.5110

■ 67.1892, 0.3504,
0.5335

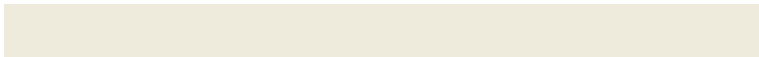
■ 65.9854, 0.3482,
0.5510

■ 64.9683, 0.3438,
0.5630

Harmonies

Analogous

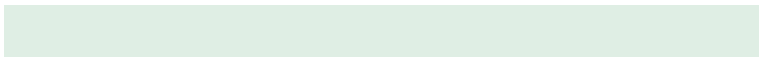
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1416, 0.3240, 0.3429



82.1416, 0.3168, 0.3426



82.1416, 0.3086, 0.3386

Triad

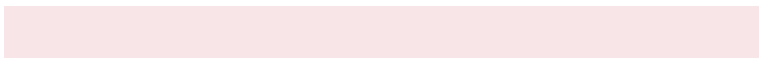
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1416, 0.3168, 0.3426



82.1416, 0.2975, 0.3185



82.1416, 0.3240, 0.3261

Complementary

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



82.1416, 0.3168, 0.3426



75.4824, 0.3085, 0.3154

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.



82.1416, 0.3167, 0.3198



82.1416, 0.3168, 0.3426



82.1416, 0.3015, 0.3153

Square

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



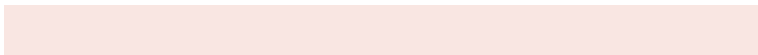
82.1416, 0.3168, 0.3426



82.1416, 0.2975, 0.3245



82.1416, 0.3085, 0.3159



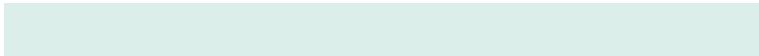
82.1416, 0.3282, 0.3332

Rectangle

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



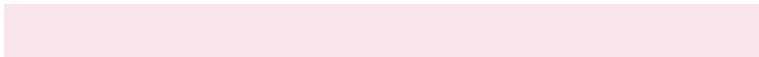
82.1416, 0.3168, 0.3426



82.1416, 0.3036, 0.3343



82.1416, 0.3085, 0.3159



82.1416, 0.3218, 0.3238

Sweetspot

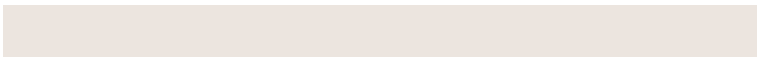
The Sweet Spot groups the original color and five complimentary colors.



82.1451, 0.3168, 0.3426



99.2350, 0.3142, 0.3339



79.1143, 0.3214, 0.3351



21.2484, 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.



82.1451, 0.3168, 0.3426



97.3835, 0.3179, 0.3465



81.1076, 0.3125, 0.3428



17.3840, 0.3183, 0.3479



35.6659, 0.3425, 0.5662



2.8577, 0.3526, 0.5583

Inverse Universe

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



75.4824, 0.3085, 0.3154



87.3482, 0.3072, 0.3115



76.5521, 0.3129, 0.3156



15.4580, 0.3068, 0.3101



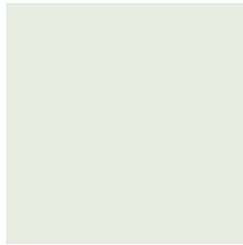
5.1786, 0.1947, 0.0846



0.4632, 0.2100, 0.0931

Previews

White Background



This preview shows how the Yxy color 82.1416, 0.3168, 0.3426 looks on a white background.

Color Contrast Check

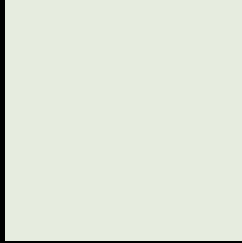
Large Text (above 18pt) WCAG AA × Fail

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 82.1416, 0.3168, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

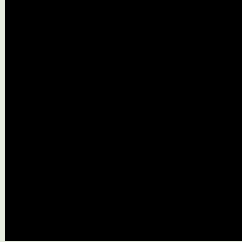
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

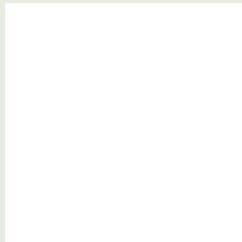
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1416, 0.3168, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 82.1416, 0.3168, 0.3426.

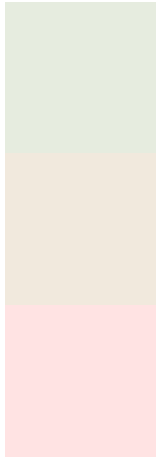


This preview shows how white text looks on a background with the Yxy color 82.1416, 0.3168, 0.3426.

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



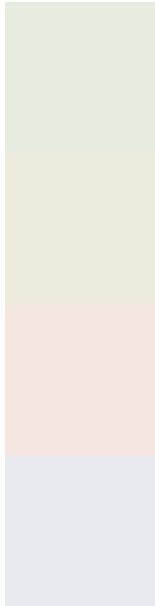
Original Color
82.1416, 0.3168, 0.3426
Protanopia
82.1991, 0.3259, 0.3414
Deuteranopia
81.7442, 0.3324, 0.3291



Tritanopia

82.1078, 0.3029, 0.3108

Trichromacy



Original Color

82.1416, 0.3168, 0.3426

Protanomaly

82.1241, 0.3223, 0.3414

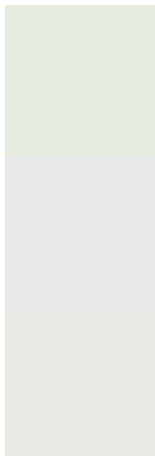
Deuteranomaly

81.6774, 0.3264, 0.3331

Tritanomaly

81.8927, 0.3084, 0.3218

Monochromacy



Original Color

82.1416, 0.3168, 0.3426

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.6586, 0.3145, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1416, 0.3168, 0.3426 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(230, 236, 223) looks like.

```
.text, #text, p{  
    color:rgb(230, 236, 223)  
}
```

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(230, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 236, 223) }
```

Border

The CSS property to change the border of an element to Yxy 82.1416, 0.3168, 0.3426 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(230, 236, 223) }
```

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

```
.border{ border-color:rgb(230, 236, 223) }
```

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

Here you see how a box with a 4 pixel rgb(230, 236, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 236, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 236, 223);  
box-shadow:4px 4px 4px 4px rgb(230, 236,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1416, 0.3168, 0.3426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 236, 223) }
```

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

```
.background{ background-color: rgb(230,  
236, 223) }
```

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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