

Converting Colors

$Yxy(80.1971, 0.3184, 0.3423)$

Have a look what the booklet for
Yxy(80.1971, 0.3184, 0.3423)
contains.

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Color

Yxy(80.2681, 0.3189, 0.3427)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E6E9DC |
| RGB | 230, 233, 220 |
| RGB Percent | 90%, 91%, 86% |
| CMY | 0.0980, 0.0863, 0.1373 |
| CMYK | 0.01, 0.00, 0.06, 0.09 |
| HSL | 74°, 23%, 89% |
| HSV | 74°, 6%, 91% |
| XYZ | 74.6936, 80.2681, 79.2609 |
| YIQ | 230.6210, 2.3850, -4.6790 |

Conversions

Conversions Part 2

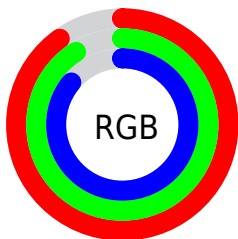
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 220, 233, 223 |
| Decimal | 15133148 |
| CIE Lab | 91.81, -3.27, 5.96 |
| CIE LCh | 92, 6.795, 118.754 |
| Yxy | 80.2681, 0.3189, 0.3427 |
| Android (android.graphics.Color) | 4293323228 (0xFFE6E9DC) |
| YUV | 230.6210, -5.2362, -0.5446 |
| Hunter-Lab | 89.5925, -7.9706, 10.2619 |

Details

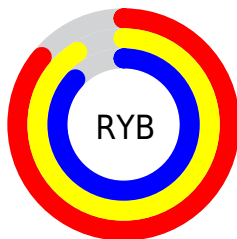
The Yxy color $80.2681, 0.3189, 0.3427$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $72.7504, 0.3063, 0.3151$, and the grayscale version is $79.6566, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.2749, 0.3208, 0.3454$ is the 20% darker color. If you saturate the color by 10%, you get $78.2513, 0.3301, 0.3684$, and if you desaturate by 10%, it is $82.4910, 0.3079, 0.3185$.

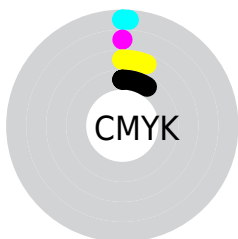
Distribution



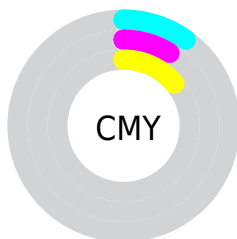
- Red (90%)
- Green (91%)
- Blue (86%)



- Red (86%)
- Yellow (91%)
- Blue (87%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (10%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2681, 0.3189, 0.3427 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 80.2681, 0.3189, 0.3427 by changing the saturation by 10% instead.


 80.2681, 0.3189,
0.3427

 80.2681, 0.3189,
0.3427


495.8359, 0.3161,
0.3364

 59.9390, 0.3195,
0.3441


133.7426, 0.3179,
0.3405

 43.3695, 0.3203,
0.3459

167.6568, 0.3176,
0.3397

 30.1751, 0.3212,
0.3481


206.8681, 0.3172,
0.3390

 19.9715, 0.3225,
0.3509

251.7610, 0.3170,
0.3383

 12.3744, 0.3241,
0.3548

302.7198, 0.3167,
0.3378

 6.9992, 0.3264,
0.3603

360.1290, 0.3165,

 3.4616, 0.3299,

0.3373

0.3688

424.3729, 0.3163,
0.3368

■ 1.3772, 0.3357,
0.3837

■ 0.1998, 0.3553,
0.6447

■ 80.2681, 0.3189,
0.3427

■ 80.2681, 0.3189,
0.3427

■ 78.2513, 0.3301,
0.3684

■ 82.4910, 0.3079,
0.3185

■ 76.4229, 0.3413,
0.3950

■ 84.1471, 0.3043,
0.3071

■ 74.7785, 0.3520,
0.4220

■ 85.0995, 0.3078,
0.3074

■ 73.3098, 0.3618,
0.4484

■ 86.0798, 0.3113,
0.3076

■ 72.0075, 0.3700,
0.4730

■ 86.7585, 0.3137,
0.3078

■ 70.8617, 0.3762,
0.4948

■ 69.8609, 0.3800,
0.5128

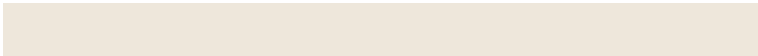
■ 68.9920, 0.3811,
0.5261

■ 68.2388, 0.3798,
0.5347

Harmonies

Analogous

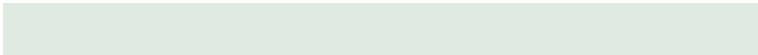
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2681, 0.3252, 0.3419



80.2681, 0.3189, 0.3427



80.2681, 0.3110, 0.3398

Triad

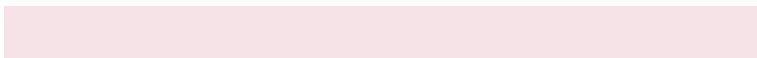
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2681, 0.3189, 0.3427



80.2681, 0.2975, 0.3202



80.2681, 0.3219, 0.3242

Complementary

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



80.2681, 0.3189, 0.3427



72.7504, 0.3063, 0.3151

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.



80.2681, 0.3143, 0.3186



80.2681, 0.3189, 0.3427



80.2681, 0.3003, 0.3162

Square

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



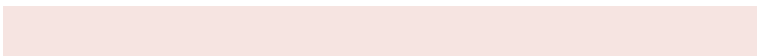
80.2681, 0.3189, 0.3427



80.2681, 0.2987, 0.3266



80.2681, 0.3064, 0.3157



80.2681, 0.3270, 0.3311

Rectangle

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



80.2681, 0.3189, 0.3427



80.2681, 0.3058, 0.3360



80.2681, 0.3064, 0.3157



80.2681, 0.3195, 0.3221

Sweetspot

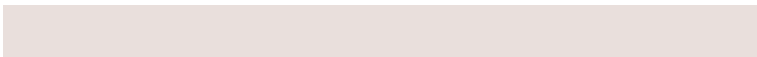
The Sweet Spot groups the original color and five complimentary colors.



80.2716, 0.3189, 0.3427



99.4548, 0.3149, 0.3339



75.1656, 0.3218, 0.3320



21.2931, 0.3148, 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.



80.2716, 0.3189, 0.3427



98.1352, 0.3205, 0.3463



79.2415, 0.3146, 0.3429



17.5284, 0.3211, 0.3477



38.6036, 0.3794, 0.5370



3.0737, 0.3852, 0.5324

Inverse Universe

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



72.7504, 0.3063, 0.3151



86.6188, 0.3046, 0.3113



73.7762, 0.3108, 0.3153



15.3182, 0.3039, 0.3099



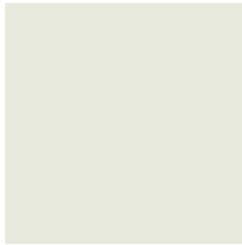
3.8202, 0.1626, 0.0669



0.3423, 0.1758, 0.0742

Previews

White Background



This preview shows how the Yxy color 80.2681, 0.3189, 0.3427 looks on a white background.

Color Contrast Check

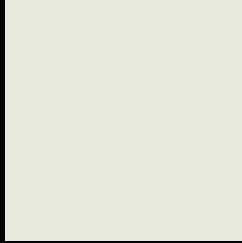
Large Text (above 18pt) WCAG AA × Fail

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 80.2681, 0.3189, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

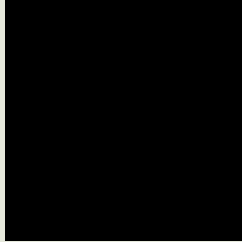
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

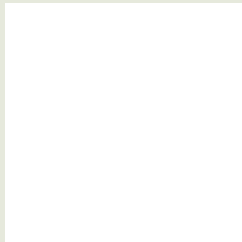
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2681, 0.3189, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 80.2681, 0.3189, 0.3427.

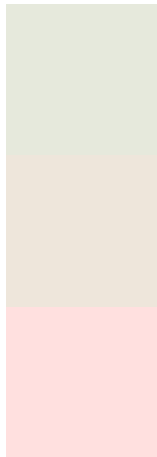


This preview shows how white text looks on a background with the Yxy color 80.2681, 0.3189, 0.3427.

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

80.2681, 0.3189, 0.3427

Protanopia

79.8852, 0.3254, 0.3405

Deuteranopia

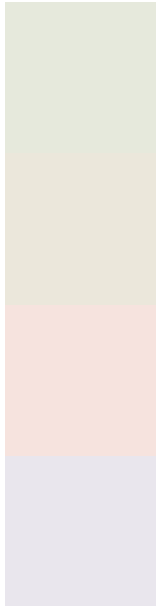
79.8990, 0.3355, 0.3301



Tritanopia

80.2464, 0.3048, 0.3106

Trichromacy



Original Color

80.2681, 0.3189, 0.3427

Protanomaly

79.9285, 0.3232, 0.3416

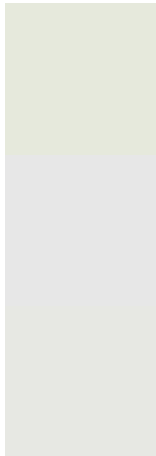
Deuteranomaly

79.8049, 0.3294, 0.3341

Tritanomaly

80.0317, 0.3103, 0.3218

Monochromacy



Original Color

80.2681, 0.3189, 0.3427

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.2482, 0.3152, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2681, 0.3189, 0.3427 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, 233, 220)` looks like.

```
.text, #text, p{  
    color:rgb(230, 233, 220)  
}
```

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, 233, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 233, 220) }
```

Border

The CSS property to change the border of an element to Yxy 80.2681, 0.3189, 0.3427 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, 233, 220) }
```

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

```
.border{ border-color:rgb(230, 233, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 233, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 233, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 233, 220);  
box-shadow:4px 4px 4px 4px rgb(230, 233,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2681, 0.3189, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 233, 220) }
```

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

```
.background{ background-color: rgb(230,  
233, 220) }
```

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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