

Converting Colors

$Yxy(78.4867, 0.3181, 0.3459)$

Have a look what the booklet for
Yxy(78.4867, 0.3181, 0.3459)
contains.

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Color

Yxy(78.6786, 0.3181, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	E1E8D8
RGB	225, 232, 216
RGB Percent	88%, 91%, 85%
CMY	0.1174, 0.0902, 0.1530
CMYK	0.03, 0.00, 0.07, 0.09
HSL	86°, 26%, 88%
HSV	86°, 7%, 91%
XYZ	72.3134, 78.6786, 76.3371
YIQ	228.0830, 0.9640, -6.4600

Conversions

Conversions Part 2

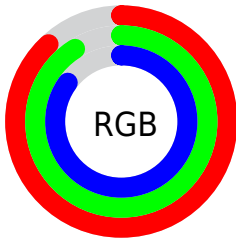
Format	Color
R_{YB}	216, 232, 223
Decimal	14805208
CIE _{Lab}	91.09, -5.14, 6.96
CIE _{LCh}	91, 8.651, 126.412
Yxy	78.6786, 0.3181, 0.3461
Android (android.graphics.Color)	4292995288 (0xFFE1E8D8)
YUV	228.0830, -5.9569, -2.7038
Hunter-Lab	88.7010, -9.7047, 11.0650

Details

The Yxy color **78.6786, 0.3181, 0.3461** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.6135, 0.3071, 0.3118**, and the grayscale version is **77.6976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1699, 0.3197, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **75.9944, 0.3259, 0.3726**, and if you desaturate by 10%, it is **81.6345, 0.3103, 0.3216**.

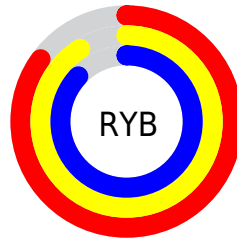
Distribution



Red (88%)

Green (91%)

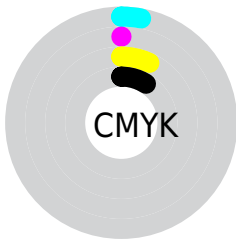
Blue (85%)



Red (85%)

Yellow (91%)

Blue (87%)

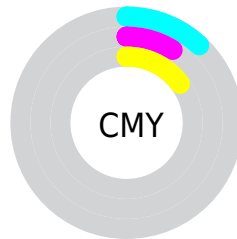


Cyan (3%)

Magenta (0%)

Yellow (7%)

Black (9%)



Cyan (12%)

Magenta (9%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6786, 0.3181, 0.3461 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 78.6786, 0.3181, 0.3461 by changing the saturation by 10% instead.

■ 78.6786, 0.3181,
0.3461

■ 78.6786, 0.3181,
0.3461

490.4684, 0.3157,
0.3382

■ 58.6316, 0.3186,
0.3479

131.5063, 0.3173,
0.3434

■ 42.3166, 0.3193,
0.3501

165.0558, 0.3169,
0.3423

■ 29.3493, 0.3201,
0.3529

203.8749, 0.3167,
0.3414

■ 19.3452, 0.3212,
0.3566

248.3480, 0.3164,
0.3406

■ 11.9200, 0.3226,
0.3615

298.8595, 0.3162,
0.3399

■ 6.6892, 0.3245,
0.3687

355.7938, 0.3160,

■ 3.2685, 0.3274,

0.3393

0.3799

419.5353, 0.3158,
0.3387

■ 1.2735, 0.3325,
0.4003

■ 0.1205, 0.0000,
1.0000

■ 78.6786, 0.3181,
0.3461

■ 78.6786, 0.3181,
0.3461

■ 75.9944, 0.3259,
0.3726

■ 81.6345, 0.3103,
0.3216

■ 73.5629, 0.3335,
0.4007

■ 84.3745, 0.3072,
0.3063

■ 71.3783, 0.3405,
0.4298

■ 86.1887, 0.3138,
0.3068

■ 69.4307, 0.3464,
0.4590

■ 67.7096, 0.3508,
0.4870

■ 66.2031, 0.3532,
0.5124

■ 64.8982, 0.3533,
0.5339

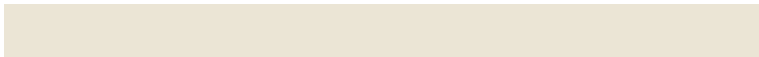
■ 63.7798, 0.3511,
0.5504

■ 62.8293, 0.3467,
0.5614

Harmonies

Analogous

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



78.6786, 0.3270, 0.3462



78.6786, 0.3181, 0.3461



78.6786, 0.3079, 0.3412

Triad

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



78.6786, 0.3181, 0.3461



78.6786, 0.2937, 0.3160



78.6786, 0.3265, 0.3251

Complementary

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



78.6786, 0.3181, 0.3461



70.6135, 0.3071, 0.3118

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.



78.6786, 0.3174, 0.3173



78.6786, 0.3181, 0.3461



78.6786, 0.2985, 0.3121

Square

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



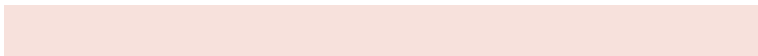
78.6786, 0.3181, 0.3461



78.6786, 0.2939, 0.3236



78.6786, 0.3071, 0.3126



78.6786, 0.3320, 0.3339

Rectangle

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



78.6786, 0.3181, 0.3461



78.6786, 0.3016, 0.3359



78.6786, 0.3071, 0.3126



78.6786, 0.3238, 0.3222

Sweetspot

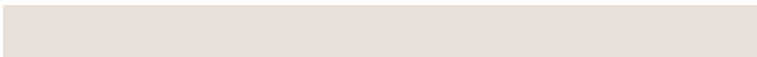
The Sweet Spot groups the original color and five complimentary colors.



78.6820, 0.3181, 0.3461



99.2585, 0.3143, 0.3339



74.8488, 0.3238, 0.3364



21.2532, 0.3142, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

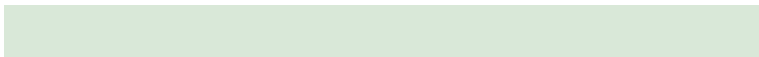
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6820, 0.3181, 0.3461



97.1145, 0.3190, 0.3490



77.4276, 0.3126, 0.3464



16.4896, 0.3201, 0.3527



34.8090, 0.3462, 0.5633



2.6269, 0.3565, 0.5552

Inverse Universe

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



70.6135, 0.3071, 0.3118



85.5432, 0.3060, 0.3089



71.9120, 0.3127, 0.3121



14.1915, 0.3048, 0.3052



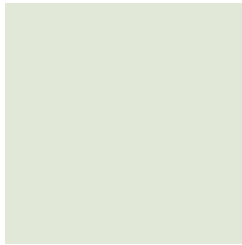
4.8315, 0.1904, 0.0823



0.4111, 0.2067, 0.0913

Previews

White Background



This preview shows how the Yxy color 78.6786, 0.3181, 0.3461 looks on a white background.

Color Contrast Check

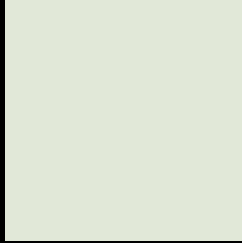
Large Text (above 18pt) WCAG AA × Fail

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 78.6786, 0.3181, 0.3461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

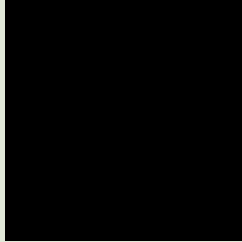
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

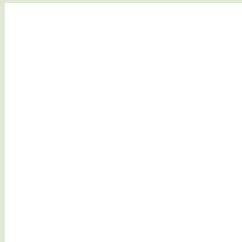
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6786, 0.3181, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 78.6786, 0.3181, 0.3461.

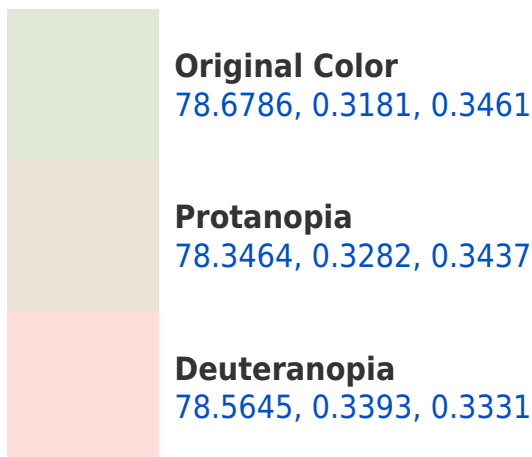


This preview shows how white text looks on a background with the Yxy color 78.6786, 0.3181, 0.3461.

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

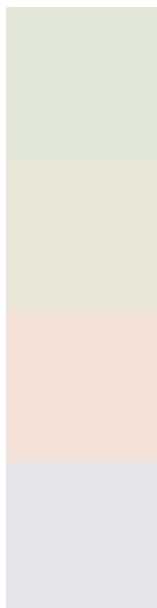




Tritanopia

78.9636, 0.3028, 0.3105

Trichromacy



Original Color

78.6786, 0.3181, 0.3461

Protanomaly

78.2686, 0.3246, 0.3438

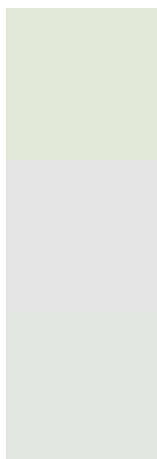
Deuteranomaly

78.6356, 0.3314, 0.3383

Tritanomaly

78.5308, 0.3082, 0.3227

Monochromacy



Original Color

78.6786, 0.3181, 0.3461

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7513, 0.3145, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6786, 0.3181, 0.3461 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(225, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(225, 232, 216)  
}
```

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(225, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 232, 216) }
```

Border

The CSS property to change the border of an element to Yxy 78.6786, 0.3181, 0.3461 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(225, 232, 216) }
```

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

```
.border{ border-color:rgb(225, 232, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 232, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(225, 232,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6786, 0.3181, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 232, 216) }
```

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

```
.background{ background-color: rgb(225,  
232, 216) }
```

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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