

Converting Colors

$Yxy(77.0401, 0.3440, 0.3860)$

Have a look what the booklet for
Yxy(77.0401, 0.3440, 0.3860)
contains.

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Color

Yxy(76.7374, 0.3437, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	E3E7B3
RGB	227, 231, 179
RGB Percent	89%, 91%, 70%
CMY	0.1097, 0.0941, 0.2979
CMYK	0.02, 0.00, 0.22, 0.09
HSL	65°, 52%, 80%
HSV	65°, 22%, 91%
XYZ	68.3990, 76.7374, 53.8714
YIQ	223.8760, 14.3080, -17.0200

Conversions

Conversions Part 2

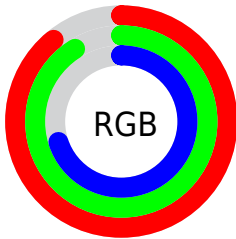
Format	Color
RYB	179, 231, 183
Decimal	14935987
CIELab	90.20, -9.70, 24.92
CIElCh	90, 26.741, 111.262
Yxy	76.7374, 0.3437, 0.3856
Android (android.graphics.Color)	4293126067 (0xFFE3E7B3)
YUV	223.8760, -22.1239, 2.7397
Hunter-Lab	87.5999, -13.9250, 24.8583

Details

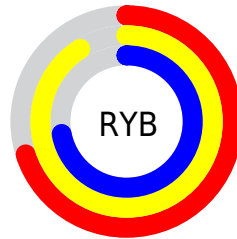
The Yxy color **76.7374, 0.3437, 0.3856** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.0913, 0.2776, 0.2666**, and the grayscale version is **74.6072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **40.8242, 0.3504, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **75.5970, 0.3574, 0.4112**, and if you desaturate by 10%, it is **78.0441, 0.3298, 0.3600**.

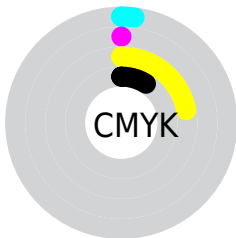
Distribution



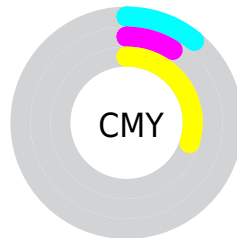
- Red (89%)
- Green (91%)
- Blue (70%)



- Red (70%)
- Yellow (91%)
- Blue (72%)



- Cyan (2%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)




- Cyan (11%)
- Magenta (9%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7374, 0.3437, 0.3856 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 76.7374, 0.3437, 0.3856 by changing the saturation by 10% instead.


 76.7374, 0.3437,
0.3856

 76.7374, 0.3437,
0.3856

483.8682, 0.3298,
0.3592

 57.0374, 0.3467,
0.3916


 128.7687, 0.3390,
0.3764

 41.0352, 0.3504,
0.3991


161.8688, 0.3371,
0.3729

 28.3466, 0.3549,
0.4085


200.2044, 0.3355,
0.3698

 18.5871, 0.3605,
0.4207

244.1598, 0.3341,
0.3672

 11.3723, 0.3676,
0.4372

294.1195, 0.3329,
0.3648

 6.3178, 0.3768,
0.4605

350.4679, 0.3317,

 3.0393, 0.3897,

0.3627

0.4970

413.5893, 0.3307,
0.3609

■ 1.1523, 0.4206,
0.5794

■ 0.0222, 0.0000,
1.0000

■ 76.7374, 0.3437,
0.3856

■ 76.7374, 0.3437,
0.3856

■ 75.5970, 0.3574,
0.4112

■ 78.0441, 0.3298,
0.3600

■ 74.6049, 0.3703,
0.4358


■ 79.5143, 0.3161,
0.3351

■ 73.7561, 0.3818,
0.4585

■ 81.1580, 0.3029,
0.3113


■ 73.0412, 0.3915,
0.4783

■ 81.8777, 0.3000,
0.3048

 72.4498, 0.3988,
0.4942

 82.1784, 0.3011,
0.3049

 71.9698, 0.4035,
0.5058


 82.4820, 0.3023,
0.3050

 71.5868, 0.4056,
0.5129

 82.7887, 0.3035,
0.3051

 71.3458, 0.4058,
0.5160

 83.0983, 0.3046,
0.3051

 83.4110, 0.3058,
0.3052

Harmonies

Analogous

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



76.7374, 0.3672, 0.3762



76.7374, 0.3437, 0.3856



76.7374, 0.3126, 0.3783

Triad

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



76.7374, 0.3437, 0.3856



76.7374, 0.2534, 0.2981



76.7374, 0.3421, 0.3042

Complementary

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



76.7374, 0.3437, 0.3856



48.0913, 0.2776, 0.2666

Split Complementary

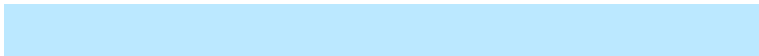
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7374, 0.3102, 0.2856



76.7374, 0.3437, 0.3856



76.7374, 0.2602, 0.2811

Square

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



76.7374, 0.3437, 0.3856



76.7374, 0.2613, 0.3252



76.7374, 0.2805, 0.2771



76.7374, 0.3667, 0.3290

Rectangle

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



76.7374, 0.3437, 0.3856



76.7374, 0.2920, 0.3644



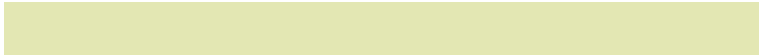
76.7374, 0.2805, 0.2771



76.7374, 0.3318, 0.2970

Sweetspot

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



76.7408, 0.3437, 0.3856



98.6452, 0.3223, 0.3463



53.9047, 0.3579, 0.3331



21.0902, 0.3231, 0.3478



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.



76.7408, 0.3437, 0.3856



95.3465, 0.3501, 0.3976



72.9002, 0.3253, 0.3891



16.7582, 0.3256, 0.3523



40.0233, 0.4060, 0.5158



2.9744, 0.4081, 0.5142

Inverse Universe

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



48.0913, 0.2776, 0.2666



53.5314, 0.2691, 0.2517



51.5026, 0.2972, 0.2700



13.9395, 0.2992, 0.3048



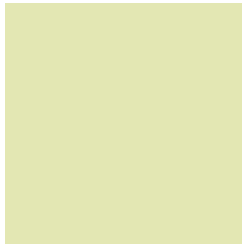
3.3251, 0.1525, 0.0614



0.2642, 0.1592, 0.0651

Previews

White Background



This preview shows how the Yxy color 76.7374, 0.3437, 0.3856 looks on a white background.

Color Contrast Check

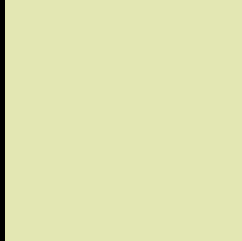
Large Text (above 18pt) WCAG AA × Fail

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 76.7374, 0.3437, 0.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

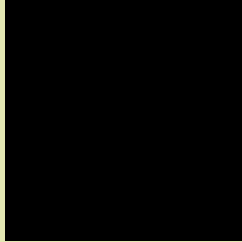
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

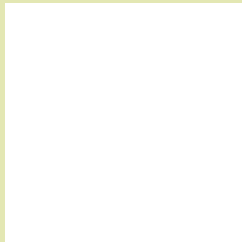
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7374, 0.3437, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 76.7374, 0.3437, 0.3856.

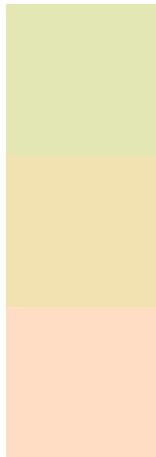


This preview shows how white text looks on a background with the Yxy color 76.7374, 0.3437, 0.3856.

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

76.7374, 0.3437, 0.3856

Protanopia

76.4443, 0.3574, 0.3808

Deuteranopia

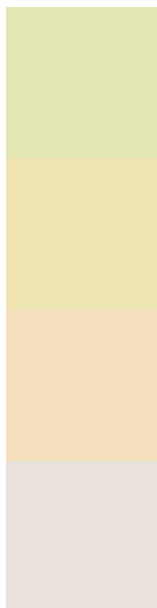
76.3865, 0.3560, 0.3546



Tritanopia

76.7288, 0.3101, 0.3115

Trichromacy



Original Color

76.7374, 0.3437, 0.3856

Protanomaly

76.7057, 0.3524, 0.3824

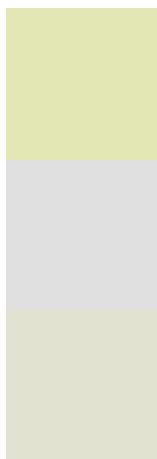
Deuteranomaly

76.3979, 0.3518, 0.3657

Tritanomaly

76.6105, 0.3222, 0.3375

Monochromacy



Original Color

76.7374, 0.3437, 0.3856

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.4998, 0.3237, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7374, 0.3437, 0.3856 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(227, 231, 179)` looks like.

```
.text, #text, p{  
    color:rgb(227, 231, 179)  
}
```

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(227, 231, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 231, 179) }
```

Border

The CSS property to change the border of an element to Yxy 76.7374, 0.3437, 0.3856 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(227, 231, 179) }
```

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

```
.border{ border-color:rgb(227, 231, 179) }
```

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

Here you see how a box with a 4 pixel rgb(227, 231, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 231, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 231, 179);  
box-shadow:4px 4px 4px 4px rgb(227, 231,  
179) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 76.7374, 0.3437, 0.3856$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 231, 179) }
```

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

```
.background{ background-color: rgb(227,  
231, 179) }
```

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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