

Converting Colors

$Yxy(76.5878, 0.3441, 0.3822)$

Have a look what the booklet for
Yxy(76.5878, 0.3441, 0.3822)
contains.

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Color

Yxy(76.5878, 0.3441, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	E5E6B5
RGB	229, 230, 181
RGB Percent	90%, 90%, 71%
CMY	0.1019, 0.0980, 0.2903
CMYK	0.00, 0.00, 0.21, 0.10
HSL	61°, 50%, 81%
HSV	61°, 21%, 90%
XYZ	68.9531, 76.5878, 54.8458
YIQ	224.1150, 15.1330, -15.4510

Conversions

Conversions Part 2

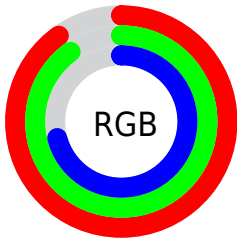
Format	Color
RYB	181, 230, 182
Decimal	15066805
CIELab	90.13, -8.19, 23.85
CIELCh	90, 25.221, 108.955
Yxy	76.5878, 0.3441, 0.3822
Android (android.graphics.Color)	4293256885 (0xFFE5E6B5)
YUV	224.1150, -21.2557, 4.2841
Hunter-Lab	87.5145, -12.5093, 24.1027

Details

The Yxy color **76.5878, 0.3441, 0.3822** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.6858, 0.2776, 0.2699**, and the grayscale version is **74.7769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **41.1027, 0.3506, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **75.6485, 0.3588, 0.4073**, and if you desaturate by 10%, it is **77.6899, 0.3292, 0.3569**.

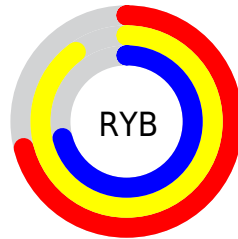
Distribution



Red (90%)

Green (90%)

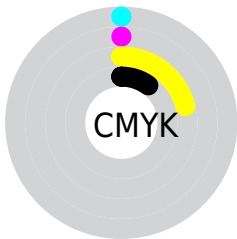
Blue (71%)



Red (71%)

Yellow (90%)

Blue (71%)

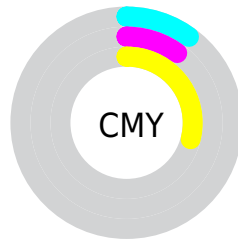


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (10%)



Cyan (10%)

Magenta (10%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5878, 0.3441, 0.3822 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 76.5878, 0.3441, 0.3822 by changing the saturation by 10% instead.

 76.5878, 0.3441,
0.3822

 76.5878, 0.3441,
0.3822


483.3575, 0.3300,
0.3575

 56.9146, 0.3472,
0.3878


 128.5575, 0.3393,
0.3736

 40.9367, 0.3510,
0.3948


161.6227, 0.3374,
0.3703

 28.2696, 0.3556,
0.4036


199.9208, 0.3358,
0.3674

 18.5290, 0.3615,
0.4151

243.8361, 0.3343,
0.3649

 11.3305, 0.3690,
0.4305

293.7531, 0.3330,
0.3627

 6.2896, 0.3788,
0.4522

350.0560, 0.3319,

 3.0219, 0.3925,

0.3608

0.4856

413.1293, 0.3309,
0.3590

■ 1.1432, 0.4311,
0.5689

■ 0.0146, 0.0000,
1.0000

■ 76.5878, 0.3441,
0.3822

■ 76.5878, 0.3441,
0.3822

■ 75.6485, 0.3588,
0.4073

■ 77.6899, 0.3292,
0.3569

■ 74.8543, 0.3729,
0.4314

■ 78.9519, 0.3146,
0.3322

■ 74.2001, 0.3857,
0.4535


■ 80.3836, 0.3006,
0.3086

■ 73.6770, 0.3966,
0.4725

■ 80.7797, 0.2979,
0.3036

 73.2747, 0.4052,
0.4877


 80.8560, 0.2982,
0.3036

 72.9816, 0.4112,
0.4986


 80.9325, 0.2985,
0.3037

 72.7837, 0.4146,
0.5052

 81.0092, 0.2988,
0.3037

 72.6691, 0.4158,
0.5080

 81.0861, 0.2991,
0.3037

 81.1633, 0.2994,
0.3037

Harmonies

Analogous

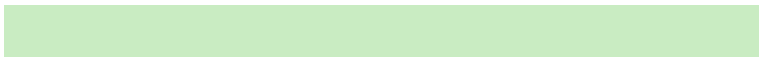
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5878, 0.3653, 0.3724



76.5878, 0.3441, 0.3822



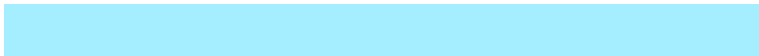
76.5878, 0.3151, 0.3765

Triad

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



76.5878, 0.3441, 0.3822



76.5878, 0.2566, 0.3016



76.5878, 0.3383, 0.3039

Complementary

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



76.5878, 0.3441, 0.3822



48.6858, 0.2776, 0.2699

Split Complementary

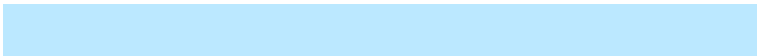
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5878, 0.3081, 0.2869



76.5878, 0.3441, 0.3822



76.5878, 0.2620, 0.2846

Square

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



76.5878, 0.3441, 0.3822



76.5878, 0.2653, 0.3277



76.5878, 0.2804, 0.2797



76.5878, 0.3622, 0.3272

Rectangle

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



76.5878, 0.3441, 0.3822



76.5878, 0.2954, 0.3641



76.5878, 0.2804, 0.2797



76.5878, 0.3285, 0.2973

Sweetspot

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



76.5912, 0.3441, 0.3822



98.9957, 0.3214, 0.3437



53.5256, 0.3555, 0.3301



21.1667, 0.3224, 0.3454



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.



76.5912, 0.3441, 0.3822



96.1913, 0.3513, 0.3944



72.8610, 0.3264, 0.3853



16.8018, 0.3264, 0.3522



41.1474, 0.4159, 0.5080



3.0453, 0.4164, 0.5076

Inverse Universe

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



48.6858, 0.2776, 0.2699



54.4362, 0.2684, 0.2544



51.9125, 0.2963, 0.2730



13.9008, 0.2983, 0.3047



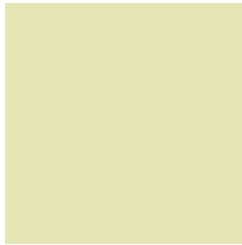
3.2574, 0.1506, 0.0604



0.2456, 0.1525, 0.0613

Previews

White Background



This preview shows how the Yxy color 76.5878, 0.3441, 0.3822 looks on a white background.

Color Contrast Check

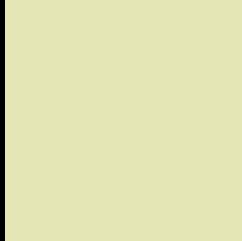
Large Text (above 18pt) WCAG AA × Fail

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 76.5878, 0.3441, 0.3822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

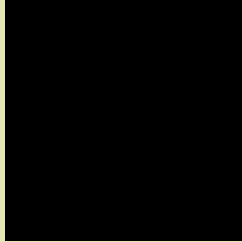
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

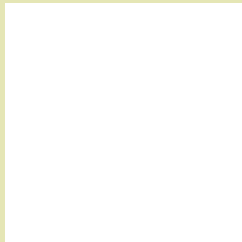
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5878, 0.3441, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 76.5878, 0.3441, 0.3822.



This preview shows how white text looks on a background with the Yxy color 76.5878, 0.3441, 0.3822.

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

76.5878, 0.3441, 0.3822

Protanopia

76.3482, 0.3553, 0.3788

Deuteranopia

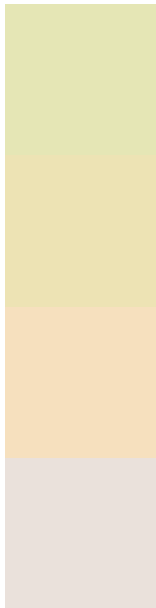
76.3865, 0.3560, 0.3546



Tritanopia

76.5383, 0.3115, 0.3105

Trichromacy



Original Color

76.5878, 0.3441, 0.3822

Protanomaly

76.2380, 0.3513, 0.3792

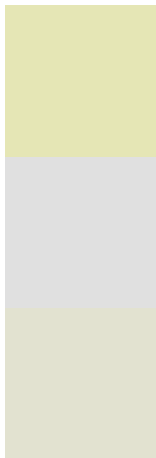
Deuteranomaly

76.6218, 0.3519, 0.3645

Tritanomaly

76.4573, 0.3230, 0.3353

Monochromacy



Original Color

76.5878, 0.3441, 0.3822

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.1155, 0.3245, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5878, 0.3441, 0.3822 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(229, 230, 181)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 181)  
}
```

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(229, 230, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 181) }
```

Border

The CSS property to change the border of an element to Yxy 76.5878, 0.3441, 0.3822 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(229, 230, 181) }
```

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

```
.border{ border-color:rgb(229, 230, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 230, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 230, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 230, 181);  
box-shadow:4px 4px 4px 4px rgb(229, 230,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5878, 0.3441, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 230, 181) }
```

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

```
.background{ background-color: rgb(229,  
230, 181) }
```

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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