

Converting Colors

$Yxy(77.6924, 0.3334, 0.3648)$

Have a look what the booklet for
Yxy(77.6924, 0.3334, 0.3648)
contains.

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Color

Yxy(77.8411, 0.3333, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	E5E7C5
RGB	229, 231, 197
RGB Percent	90%, 91%, 77%
CMY	0.1020, 0.0941, 0.2274
CMYK	0.01, 0.00, 0.15, 0.09
HSL	64°, 41%, 84%
HSV	64°, 15%, 91%
XYZ	70.9640, 77.8411, 64.1082
YIQ	226.5260, 9.7220, -10.9980

Conversions

Conversions Part 2

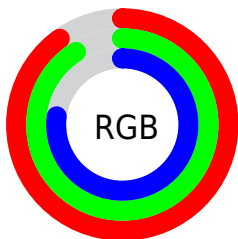
Format	Color
R_{YB}	197, 231, 199
Decimal	15067077
CIE _{Lab}	90.71, -6.35, 16.35
CIE _{LCh}	91, 17.539, 111.222
Yxy	77.8411, 0.3333, 0.3656
Android (android.graphics.Color)	4293257157 (0xFFE5E7C5)
YUV	226.5260, -14.5563, 2.1697
Hunter-Lab	88.2276, -10.8256, 18.6779

Details

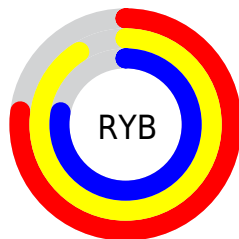
The Yxy color **77.8411, 0.3333, 0.3656** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.8490, 0.2905, 0.2899**, and the grayscale version is **76.5570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **41.5274, 0.3378, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **76.6403, 0.3475, 0.3912**, and if you desaturate by 10%, it is **79.2128, 0.3192, 0.3405**.

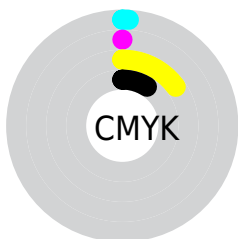
Distribution



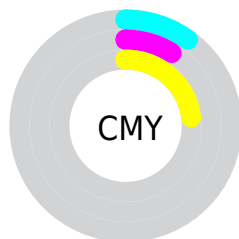
- Red (90%)
- Green (91%)
- Blue (77%)



- Red (77%)
- Yellow (91%)
- Blue (78%)



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)



- Cyan (10%)
- Magenta (9%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8411, 0.3333, 0.3656 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 77.8411, 0.3333, 0.3656 by changing the saturation by 10% instead.

■ 77.8411, 0.3333,
0.3656

■ 77.8411, 0.3333,
0.3656

487.6270, 0.3240,
0.3487

■ 57.9435, 0.3354,
0.3695

130.3261, 0.3301,
0.3597

■ 41.7632, 0.3379,
0.3742

163.6822, 0.3289,
0.3574

■ 28.9159, 0.3410,
0.3803

202.2933, 0.3278,
0.3555

■ 19.0172, 0.3450,
0.3882

246.5438, 0.3268,
0.3538

■ 11.6827, 0.3503,
0.3989

296.8180, 0.3260,
0.3523

■ 6.5280, 0.3576,
0.4142

353.5003, 0.3253,

■ 3.1687, 0.3679,

0.3509

0.4377

416.9752, 0.3246,
0.3497

■ 1.2204, 0.4170,
0.5201

■ 0.0783, 0.0000,
1.0000

■ 77.8411, 0.3333,
0.3656

■ 77.8411, 0.3333,
0.3656

■ 76.6403, 0.3475,
0.3912

■ 79.2128, 0.3192,
0.3405

■ 75.5928, 0.3614,
0.4165

■ 80.7521, 0.3056,
0.3165


■ 74.6940, 0.3743,
0.4405

■ 81.7191, 0.2994,
0.3048


■ 73.9354, 0.3858,
0.4624

■ 81.9513, 0.3002,
0.3048

 73.3074, 0.3953,
0.4810

 82.1853, 0.3011,
0.3049


 72.7992, 0.4023,
0.4956


 82.4211, 0.3020,
0.3050


 72.3984, 0.4067,
0.5058

 82.6587, 0.3029,
0.3050

 72.0896, 0.4086,
0.5117

 82.8982, 0.3038,
0.3051

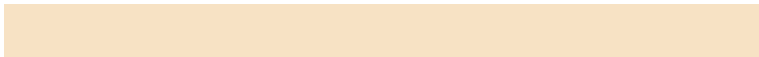
 71.9511, 0.4088,
0.5136

 83.1395, 0.3047,
0.3052

Harmonies

Analogous

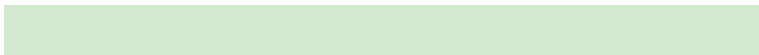
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8411, 0.3484, 0.3602



77.8411, 0.3333, 0.3656



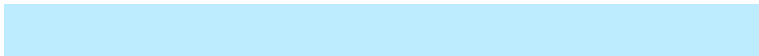
77.8411, 0.3130, 0.3606

Triad

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



77.8411, 0.3333, 0.3656



77.8411, 0.2733, 0.3092



77.8411, 0.3320, 0.3126

Complementary

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



77.8411, 0.3333, 0.3656



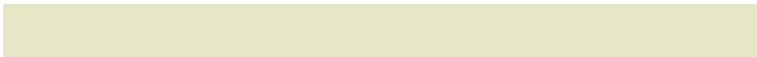
57.8490, 0.2905, 0.2899

Split Complementary

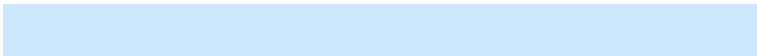
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8411, 0.3113, 0.3000



77.8411, 0.3333, 0.3656



77.8411, 0.2779, 0.2976

Square

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



77.8411, 0.3333, 0.3656



77.8411, 0.2788, 0.3270



77.8411, 0.2916, 0.2945



77.8411, 0.3477, 0.3294

Rectangle

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



77.8411, 0.3333, 0.3656



77.8411, 0.2994, 0.3518



77.8411, 0.2916, 0.2945



77.8411, 0.3253, 0.3078

Sweetspot

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



77.8445, 0.3333, 0.3656



99.2455, 0.3182, 0.3388



61.7320, 0.3399, 0.3310



21.2131, 0.3193, 0.3406



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.



77.8445, 0.3333, 0.3656



96.8745, 0.3381, 0.3742



75.2310, 0.3214, 0.3670



16.7713, 0.3258, 0.3523



40.3526, 0.4090, 0.5134



2.9952, 0.4106, 0.5122

Inverse Universe

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



57.8490, 0.2905, 0.2899



66.8417, 0.2847, 0.2800



60.2578, 0.3028, 0.2914



13.9278, 0.2989, 0.3048



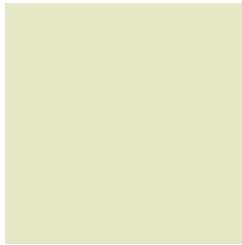
3.3030, 0.1519, 0.0610



0.2586, 0.1572, 0.0640

Previews

White Background



This preview shows how the Yxy color 77.8411, 0.3333, 0.3656 looks on a white background.

Color Contrast Check

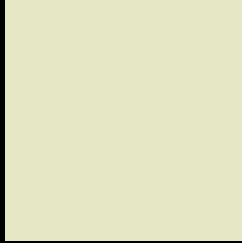
Large Text (above 18pt) WCAG AA × Fail

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 77.8411, 0.3333, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

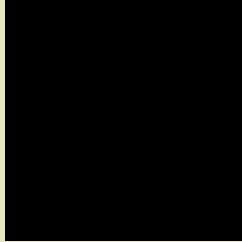
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

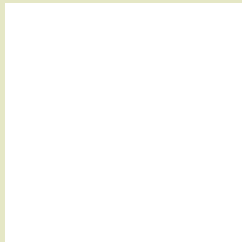
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8411, 0.3333, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 77.8411, 0.3333, 0.3656.

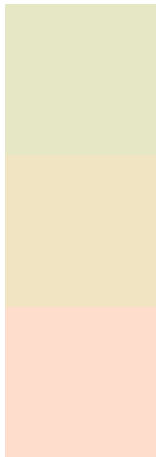


This preview shows how white text looks on a background with the Yxy color 77.8411, 0.3333, 0.3656.

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

77.8411, 0.3333, 0.3656

Protanopia

77.9522, 0.3431, 0.3638

Deuteranopia

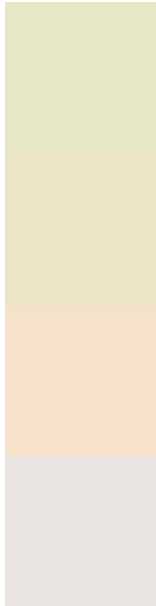
77.3807, 0.3486, 0.3453



Tritanopia

77.9234, 0.3087, 0.3116

Trichromacy



Original Color

77.8411, 0.3333, 0.3656

Protanomaly

77.8570, 0.3394, 0.3641

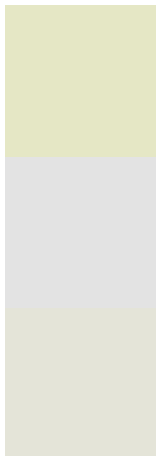
Deuteranomaly

77.7075, 0.3433, 0.3529

Tritanomaly

77.7528, 0.3175, 0.3301

Monochromacy



Original Color

77.8411, 0.3333, 0.3656

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.9387, 0.3205, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8411, 0.3333, 0.3656 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, 231, 197)` looks like.

```
.text, #text, p{  
    color:rgb(229, 231, 197)  
}
```

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, 231, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 231, 197) }
```

Border

The CSS property to change the border of an element to Yxy 77.8411, 0.3333, 0.3656 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, 231, 197) }
```

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

```
.border{ border-color:rgb(229, 231, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 231, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 231, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 231, 197);  
box-shadow:4px 4px 4px 4px rgb(229, 231,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8411, 0.3333, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 231, 197) }
```

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

```
.background{ background-color: rgb(229,  
231, 197) }
```

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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