

Converting Colors

$Yxy(76.9927, 0.3346, 0.3645)$

Have a look what the booklet for
Yxy(76.9927, 0.3346, 0.3645)
contains.

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Color

Yxy(76.8471, 0.3350, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	E6E5C4
RGB	230, 229, 196
RGB Percent	90%, 90%, 77%
CMY	0.0981, 0.1019, 0.2315
CMYK	0.00, 0.00, 0.15, 0.10
HSL	58°, 40%, 84%
HSV	58°, 15%, 90%
XYZ	70.6083, 76.8471, 63.3156
YIQ	225.5370, 11.1890, -10.0510

Conversions

Conversions Part 2

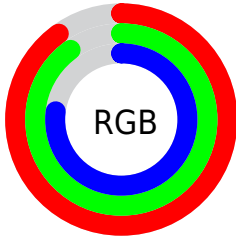
Format	Color
RYB	197, 230, 196
Decimal	15132100
CIELab	90.25, -5.14, 16.26
CIELCh	90, 17.051, 107.551
Yxy	76.8471, 0.3350, 0.3646
Android (android.graphics.Color)	4293322180 (0xFFE6E5C4)
YUV	225.5370, -14.5617, 3.9141
Hunter-Lab	87.6625, -9.6354, 18.5406

Details

The Yxy color **76.8471, 0.3350, 0.3646** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.3458, 0.2889, 0.2907**, and the grayscale version is **75.8011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **41.2238, 0.3398, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **75.5216, 0.3505, 0.3892**, and if you desaturate by 10%, it is **78.3413, 0.3198, 0.3403**.

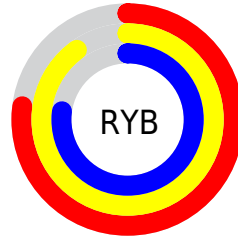
Distribution



Red (90%)

Green (90%)

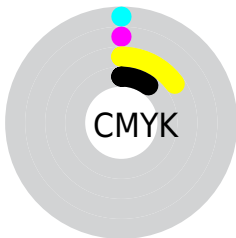
Blue (77%)



Red (77%)

Yellow (90%)

Blue (77%)

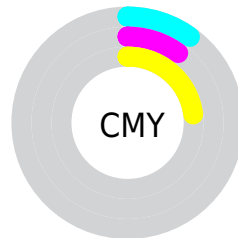


Cyan (0%)

Magenta (0%)

Yellow (15%)

Black (10%)



Cyan (10%)

Magenta (10%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8471, 0.3350, 0.3646 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 76.8471, 0.3350, 0.3646 by changing the saturation by 10% instead.

■ 76.8471, 0.3350,
0.3646

■ 76.8471, 0.3350,
0.3646

484.2426, 0.3249,
0.3481

■ 57.1274, 0.3373,
0.3684

128.9236, 0.3315,
0.3589

■ 41.1075, 0.3400,
0.3730

162.0492, 0.3302,
0.3567

■ 28.4031, 0.3435,
0.3789

200.4123, 0.3290,
0.3547

■ 18.6298, 0.3479,
0.3865

244.3971, 0.3280,
0.3531

■ 11.4031, 0.3538,
0.3969

294.3882, 0.3271,
0.3516

■ 6.3386, 0.3619,
0.4118

350.7698, 0.3263,

■ 3.0521, 0.3737,

0.3503

0.4346

413.9265, 0.3255,
0.3492

■ 1.1590, 0.4323,
0.5230

■ 0.0278, 0.0000,
1.0000

■ 76.8471, 0.3350,
0.3646

■ 76.8471, 0.3350,
0.3646

■ 75.5216, 0.3505,
0.3892

■ 78.3413, 0.3198,
0.3403

■ 74.3472, 0.3658,
0.4134

■ 80.0008, 0.3052,
0.3170

■ 73.3196, 0.3803,
0.4361

■ 81.1771, 0.2973,
0.3046

■ 72.4302, 0.3935,
0.4566

■ 81.5434, 0.2973,
0.3053

71.6696, 0.4048,
0.4737

81.9110, 0.2973,
0.3059

71.0271, 0.4136,
0.4868

82.2800, 0.2973,
0.3066

70.4904, 0.4197,
0.4956

82.6504, 0.2974,
0.3073

70.0443, 0.4233,
0.5000

83.0222, 0.2974,
0.3079

69.8352, 0.4244,
0.5012

83.3953, 0.2974,
0.3086

Harmonies

Analogous

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



76.8471, 0.3487, 0.3582



76.8471, 0.3350, 0.3646



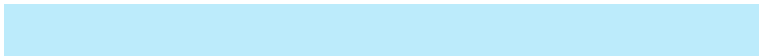
76.8471, 0.3156, 0.3609

Triad

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



76.8471, 0.3350, 0.3646



76.8471, 0.2744, 0.3116



76.8471, 0.3292, 0.3112

Complementary

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



76.8471, 0.3350, 0.3646



57.3458, 0.2889, 0.2907

Split Complementary

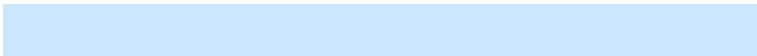
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8471, 0.3088, 0.2996



76.8471, 0.3350, 0.3646



76.8471, 0.2777, 0.2993

Square

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



76.8471, 0.3350, 0.3646



76.8471, 0.2809, 0.3294



76.8471, 0.2901, 0.2952



76.8471, 0.3454, 0.3273

Rectangle

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



76.8471, 0.3350, 0.3646



76.8471, 0.3021, 0.3530



76.8471, 0.2901, 0.2952



76.8471, 0.3226, 0.3066

Sweetspot

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



76.8505, 0.3350, 0.3646



99.1757, 0.3186, 0.3385



60.3209, 0.3394, 0.3278



21.1953, 0.3198, 0.3403



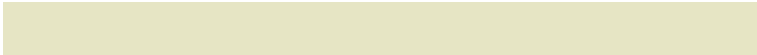
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

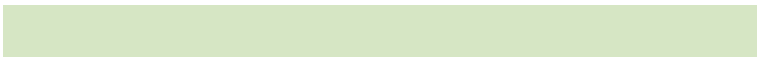
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8505, 0.3350, 0.3646



96.5595, 0.3401, 0.3727



74.8792, 0.3235, 0.3669



16.7432, 0.3268, 0.3516



39.5767, 0.4243, 0.5013



2.9468, 0.4235, 0.5019

Inverse Universe

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



57.3458, 0.2889, 0.2907



67.0827, 0.2830, 0.2812



59.1506, 0.3006, 0.2909



13.9524, 0.2980, 0.3054



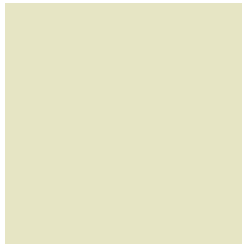
3.3445, 0.1505, 0.0618



0.2705, 0.1520, 0.0670

Previews

White Background



This preview shows how the Yxy color 76.8471, 0.3350, 0.3646 looks on a white background.

Color Contrast Check

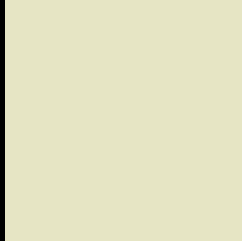
Large Text (above 18pt) WCAG AA × Fail

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 76.8471, 0.3350, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

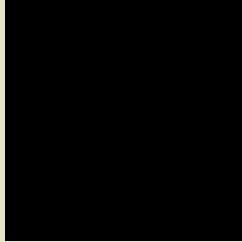
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

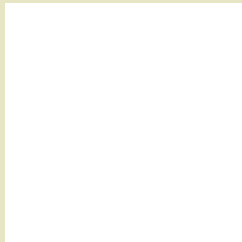
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8471, 0.3350, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 76.8471, 0.3350, 0.3646.



This preview shows how white text looks on a background with the Yxy color 76.8471, 0.3350, 0.3646.

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

76.8471, 0.3350, 0.3646

Protanopia

76.5100, 0.3420, 0.3619

Deuteranopia

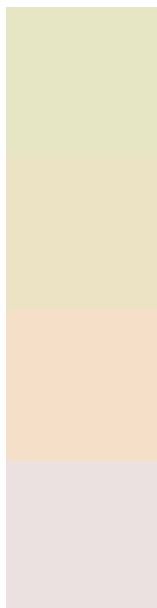
76.7582, 0.3502, 0.3464



Tritanopia

76.8995, 0.3108, 0.3115

Trichromacy



Original Color

76.8471, 0.3350, 0.3646

Protanomaly

76.5405, 0.3396, 0.3632

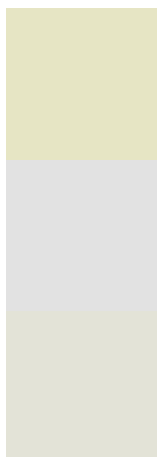
Deuteranomaly

76.5383, 0.3451, 0.3530

Tritanomaly

76.7247, 0.3197, 0.3301

Monochromacy



Original Color

76.8471, 0.3350, 0.3646

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.1754, 0.3205, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8471, 0.3350, 0.3646 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, 229, 196)` looks like.

```
.text, #text, p{  
    color:rgb(230, 229, 196)  
}
```

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, 229, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 229, 196) }
```

Border

The CSS property to change the border of an element to Yxy 76.8471, 0.3350, 0.3646 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, 229, 196) }
```

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

```
.border{ border-color:rgb(230, 229, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 229, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 229, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 229, 196);  
box-shadow:4px 4px 4px 4px rgb(230, 229,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8471, 0.3350, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 229, 196) }
```

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

```
.background{ background-color: rgb(230,  
229, 196) }
```

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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