

Converting Colors

$Yxy(68.7791, 0.3436, 0.3800)$

Have a look what the booklet for
Yxy(68.7791, 0.3436, 0.3800)
contains.

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Color

Yxy(68.7791, 0.3436, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	DBDBAE
RGB	219, 219, 174
RGB Percent	86%, 86%, 68%
CMY	0.1410, 0.1412, 0.3178
CMYK	0.00, 0.00, 0.21, 0.14
HSL	60°, 39%, 77%
HSV	60°, 21%, 86%
XYZ	62.1908, 68.7791, 50.0277
YIQ	213.8700, 14.4450, -13.9950

Conversions

Conversions Part 2

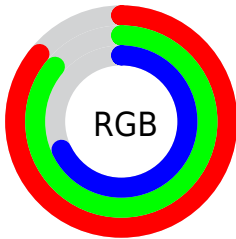
Format	Color
RYB	174, 219, 174
Decimal	14408622
CIELab	86.39, -7.28, 22.21
CIELCh	86, 23.376, 108.145
Yxy	68.7791, 0.3436, 0.3800
Android (android.graphics.Color)	4292598702 (0xFFDBDBAE)
YUV	213.8700, -19.6559, 4.4990
Hunter-Lab	82.9332, -11.2776, 22.2877

Details

The Yxy color **68.7791, 0.3436, 0.3800** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.3893, 0.2784, 0.2723**, and the grayscale version is **67.2842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **35.8239, 0.3514, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **67.9864, 0.3587, 0.4049**, and if you desaturate by 10%, it is **69.7172, 0.3284, 0.3549**.

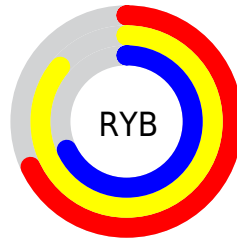
Distribution



Red (86%)

Green (86%)

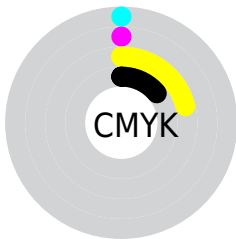
Blue (68%)



Red (68%)

Yellow (86%)

Blue (68%)

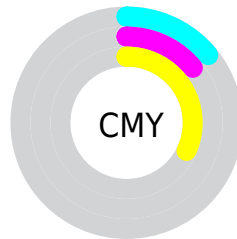


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (14%)



Cyan (14%)


Magenta (14%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7791, 0.3436, 0.3800 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 68.7791, 0.3436, 0.3800 by changing the saturation by 10% instead.

 68.7791, 0.3436,
0.3800

 68.7791, 0.3436,
0.3800

456.2515, 0.3294,
0.3559

 50.5318, 0.3468,
0.3856

 117.4660, 0.3387,
0.3715

 35.8362, 0.3507,
0.3926

148.6744, 0.3368,
0.3683

 24.3077, 0.3556,
0.4016


184.9720, 0.3351,
0.3655

 15.5620, 0.3618,
0.4133

226.7432, 0.3337,
0.3630

 9.2148, 0.3700,
0.4295

274.3723, 0.3324,
0.3609

 4.8815, 0.3809,
0.4528

328.2438, 0.3313,

 2.1779, 0.4040,

0.3590

0.4991

388.7421, 0.3303,
0.3574

0.7079, 0.4116,
0.5884

0.0000, 0.0000,
0.0000

68.7791, 0.3436,
0.3800

68.7791, 0.3436,
0.3800

67.9864, 0.3587,
0.4049

69.7172, 0.3284,
0.3549

67.3232, 0.3732,
0.4288

70.7979, 0.3136,
0.3304

66.7852, 0.3864,
0.4507

72.0300, 0.2994,
0.3069

66.3645, 0.3979,
0.4696

72.9876, 0.2899,
0.2914

66.0521, 0.4071,
0.4847

72.9977, 0.2899,
0.2914

65.8378, 0.4137,
0.4956

73.0078, 0.2899,
0.2914

65.7094, 0.4176,
0.5021

73.0179, 0.2899,
0.2915

65.6470, 0.4195,
0.5051

73.0281, 0.2899,
0.2915

73.0382, 0.2899,
0.2915

Harmonies

Analogous

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



68.7791, 0.3637, 0.3704



68.7791, 0.3436, 0.3800



68.7791, 0.3158, 0.3749

Triad

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



68.7791, 0.3436, 0.3800



68.7791, 0.2588, 0.3033



68.7791, 0.3366, 0.3043

Complementary

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



68.7791, 0.3436, 0.3800



44.3893, 0.2784, 0.2723

Split Complementary

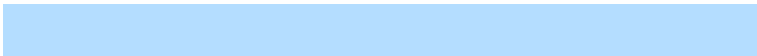
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.7791, 0.3075, 0.2881



68.7791, 0.3436, 0.3800



68.7791, 0.2636, 0.2866

Square

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



68.7791, 0.3436, 0.3800



68.7791, 0.2675, 0.3286



68.7791, 0.2810, 0.2815



68.7791, 0.3598, 0.3267

Rectangle

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



68.7791, 0.3436, 0.3800



68.7791, 0.2968, 0.3633



68.7791, 0.2810, 0.2815



68.7791, 0.3271, 0.2980

Sweetspot

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



68.7822, 0.3436, 0.3800



99.0448, 0.3216, 0.3437



48.4119, 0.3530, 0.3282



21.1784, 0.3226, 0.3453



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.



68.7822, 0.3436, 0.3800



96.5167, 0.3506, 0.3916



65.6421, 0.3270, 0.3828



15.2618, 0.3267, 0.3521



38.9118, 0.4195, 0.5051



2.5215, 0.4194, 0.5052

Inverse Universe

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



44.3893, 0.2784, 0.2723



55.7242, 0.2695, 0.2576



47.0811, 0.2958, 0.2751



12.6191, 0.2981, 0.3048



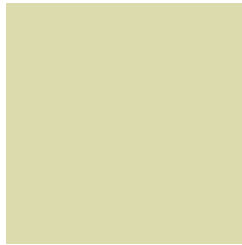
3.0360, 0.1500, 0.0601



0.1973, 0.1501, 0.0602

Previews

White Background



This preview shows how the Yxy color 68.7791, 0.3436, 0.3800 looks on a white background.

Color Contrast Check

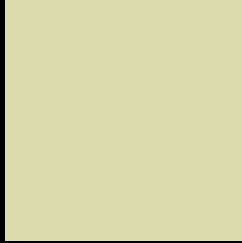
Large Text (above 18pt) WCAG AA × Fail

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 68.7791, 0.3436, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

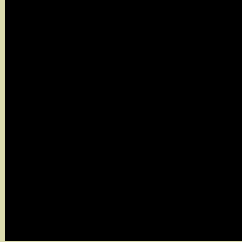
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

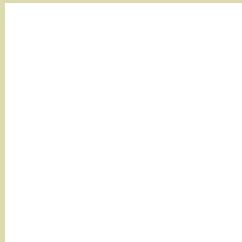
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7791, 0.3436, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 68.7791, 0.3436, 0.3800.



This preview shows how white text looks on a background with the Yxy color 68.7791, 0.3436, 0.3800.

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

68.7791, 0.3436, 0.3800

Protanopia

68.9133, 0.3542, 0.3777

Deuteranopia

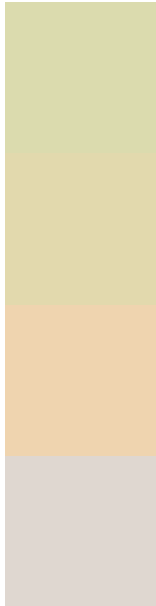
68.7556, 0.3702, 0.3627



Tritanopia

68.8572, 0.3121, 0.3118

Trichromacy



Original Color

68.7791, 0.3436, 0.3800

Protanomaly

68.8116, 0.3501, 0.3781

Deuteranomaly

68.5328, 0.3602, 0.3691

Tritanomaly

68.8429, 0.3234, 0.3367

Monochromacy



Original Color

68.7791, 0.3436, 0.3800

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.8342, 0.3243, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7791, 0.3436, 0.3800 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(219, 219, 174)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 174)  
}
```

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(219, 219, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 174) }
```

Border

The CSS property to change the border of an element to Yxy 68.7791, 0.3436, 0.3800 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(219, 219, 174) }
```

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

```
.border{ border-color:rgb(219, 219, 174) }
```

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

Here you see how a box with a 4 pixel rgb(219, 219, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 219, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 219, 174);  
box-shadow:4px 4px 4px 4px rgb(219, 219,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7791, 0.3436, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 174) }
```

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

```
.background{ background-color: rgb(219,  
219, 174) }
```

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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