

Converting Colors

$Y_{xy}(76.2050, 0.3536, 0.3870)$

Have a look what the booklet for
Yxy(76.2050, 0.3536, 0.3870)
contains.

Yxy(76.2050, 0.3536, 0.3870)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.2050, 0.3536, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	EBE4AE
RGB	235, 228, 174
RGB Percent	92%, 89%, 68%
CMY	0.0787, 0.1058, 0.3177
CMYK	0.00, 0.03, 0.26, 0.08
HSL	53°, 60%, 80%
HSV	53°, 26%, 92%
XYZ	69.6281, 76.2050, 51.0790
YIQ	223.9370, 21.5060, -15.3100

Conversions

Conversions Part 2

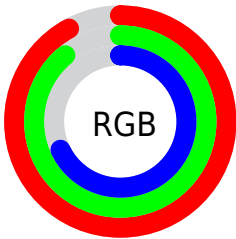
Format	Color
RYB	182, 235, 174
Decimal	15459502
CIELab	89.95, -5.97, 27.28
CIELCh	90, 27.923, 102.341
Yxy	76.2050, 0.3536, 0.3870
Android (android.graphics.Color)	4293649582 (0xFFEBE4AE)
YUV	223.9370, -24.6189, 9.7023
Hunter-Lab	87.2955, -10.3929, 26.4146

Details

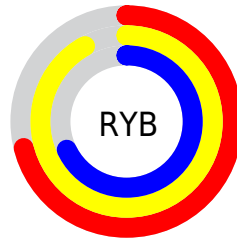
The Yxy color **76.2050, 0.3536, 0.3870** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.0010, 0.2687, 0.2635**, and the grayscale version is **74.6576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **40.8513, 0.3631, 0.4010** is the 20% darker color. If you saturate the color by 10%, you get **73.9160, 0.3701, 0.4094**, and if you desaturate by 10%, it is **78.6837, 0.3373, 0.3643**.

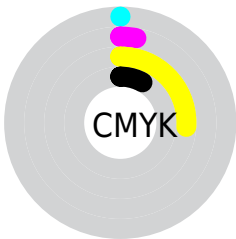
Distribution



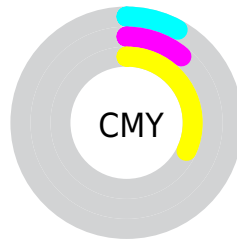
- Red (92%)
- Green (89%)
- Blue (68%)



- Red (71%)
- Yellow (92%)
- Blue (68%)



- Cyan (0%)
- Magenta (3%)
- Yellow (26%)
- Black (8%)





- Cyan (8%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2050, 0.3536, 0.3870 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 76.2050, 0.3536, 0.3870 by changing the saturation by 10% instead.

 76.2050, 0.3536,
0.3870

 76.2050, 0.3536,
0.3870


482.0492, 0.3351,
0.3602

 56.6006, 0.3577,
0.3931


 128.0166, 0.3473,
0.3777

 40.6847, 0.3626,
0.4005


160.9927, 0.3448,
0.3741

 28.0728, 0.3687,
0.4099


199.1948, 0.3427,
0.3710

 18.3805, 0.3763,
0.4219

243.0073, 0.3408,
0.3683

 11.2235, 0.3861,
0.4379

292.8145, 0.3391,
0.3659

 6.2174, 0.3988,
0.4600

349.0010, 0.3377,

 2.9777, 0.4199,

0.3638

0.4970

411.9511, 0.3363,
0.3619

■ 1.1201, 0.4464,
0.5536

■ 0.0000, 0.0000,
0.0000

■ 76.2050, 0.3536,
0.3870

■ 76.2050, 0.3536,
0.3870

■ 73.9160, 0.3701,
0.4094

■ 78.6837, 0.3373,
0.3643

■ 71.7981, 0.3861,
0.4306

■ 81.3496, 0.3216,
0.3419

■ 69.8453, 0.4012,
0.4497

■ 84.2135, 0.3068,
0.3204

■ 68.0475, 0.4145,
0.4655

■ 86.4188, 0.3005,
0.3127

66.3933, 0.4256,
0.4773

87.9875, 0.3005,
0.3154

64.8692, 0.4339,
0.4847

89.5793, 0.3005,
0.3180

63.4588, 0.4394,
0.4876

91.1943, 0.3005,
0.3207

62.9077, 0.4411,
0.4880

92.8326, 0.3005,
0.3234

94.4942, 0.3005,
0.3260

Harmonies

Analogous

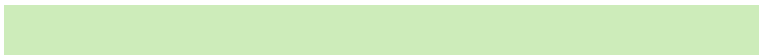
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2050, 0.3743, 0.3727



76.2050, 0.3536, 0.3870



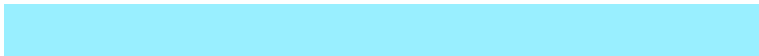
76.2050, 0.3225, 0.3850

Triad

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



76.2050, 0.3536, 0.3870



76.2050, 0.2516, 0.3041



76.2050, 0.3339, 0.2964

Complementary

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



76.2050, 0.3536, 0.3870



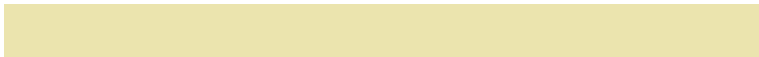
48.0010, 0.2687, 0.2635

Split Complementary

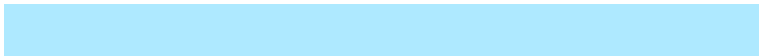
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2050, 0.3002, 0.2798



76.2050, 0.3536, 0.3870



76.2050, 0.2541, 0.2828

Square

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



76.2050, 0.3536, 0.3870



76.2050, 0.2643, 0.3345



76.2050, 0.2714, 0.2746



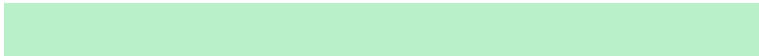
76.2050, 0.3629, 0.3208

Rectangle

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



76.2050, 0.3536, 0.3870



76.2050, 0.3004, 0.3735



76.2050, 0.2714, 0.2746



76.2050, 0.3226, 0.2898

Sweetspot

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



76.2084, 0.3536, 0.3870



97.2880, 0.3248, 0.3465



51.2613, 0.3617, 0.3212



20.7181, 0.3272, 0.3499



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.



76.2084, 0.3536, 0.3870



90.3261, 0.3622, 0.3987



76.3703, 0.3350, 0.3975



17.3182, 0.3271, 0.3497



35.1520, 0.4407, 0.4883



2.8433, 0.4374, 0.4909

Inverse Universe

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



48.0010, 0.2687, 0.2635



51.1062, 0.2586, 0.2480



48.1822, 0.2855, 0.2584



14.8239, 0.2980, 0.3074



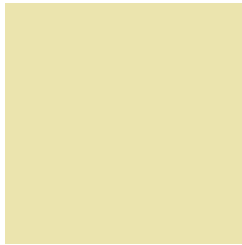
3.8575, 0.1523, 0.0683



0.3940, 0.1572, 0.0859

Previews

White Background



This preview shows how the Yxy color 76.2050, 0.3536, 0.3870 looks on a white background.

Color Contrast Check

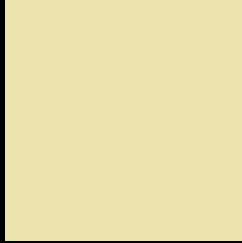
Large Text (above 18pt) WCAG AA × Fail

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 76.2050, 0.3536, 0.3870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

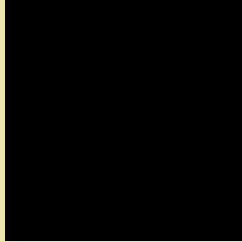
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

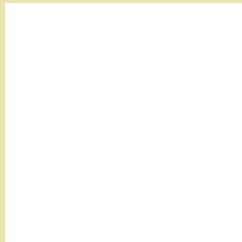
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.2050, 0.3536, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 76.2050, 0.3536, 0.3870.



This preview shows how white text looks on a background with the Yxy color 76.2050, 0.3536, 0.3870.

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

76.2050, 0.3536, 0.3870

Protanopia

76.2871, 0.3601, 0.3850

Deuteranopia

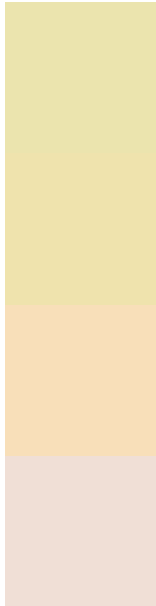
76.2080, 0.3589, 0.3587



Tritanopia

76.3555, 0.3178, 0.3117

Trichromacy



Original Color

76.2050, 0.3536, 0.3870

Protanomaly

76.3060, 0.3576, 0.3864

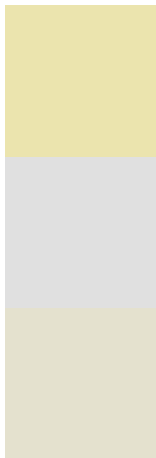
Deuteranomaly

76.2346, 0.3571, 0.3686

Tritanomaly

76.1557, 0.3309, 0.3385

Monochromacy



Original Color

76.2050, 0.3536, 0.3870

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

74.8006, 0.3274, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2050, 0.3536, 0.3870 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(235, 228, 174)` looks like.

```
.text, #text, p{  
    color:rgb(235, 228, 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(235, 228, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 228, 174) }
```

Border

The CSS property to change the border of an element to Yxy 76.2050, 0.3536, 0.3870 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(235, 228, 174) }
```

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

```
.border{ border-color:rgb(235, 228, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 228, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 228, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 228, 174);  
box-shadow:4px 4px 4px 4px rgb(235, 228,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2050, 0.3536, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 228, 174) }
```

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

```
.background{ background-color: rgb(235,  
228, 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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