

Converting Colors

$Yxy(80.3671, 0.3530, 0.3956)$

Have a look what the booklet for
Yxy(80.3671, 0.3530, 0.3956)
contains.

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Color

Yxy(80.0960, 0.3526, 0.3949)

Conversions

Conversions Part 1

Format	Color
Hex	EBEBAD
RGB	235, 235, 173
RGB Percent	92%, 92%, 68%
CMY	0.0783, 0.0784, 0.3217
CMYK	0.00, 0.00, 0.26, 0.08
HSL	60°, 61%, 80%
HSV	60°, 26%, 92%
XYZ	71.5165, 80.0960, 51.2136
YIQ	227.9320, 19.9020, -19.2820

Conversions

Conversions Part 2

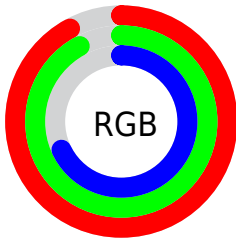
Format	Color
RYB	173, 235, 173
Decimal	15461293
CIELab	91.73, -9.57, 30.20
CIELCh	92, 31.680, 107.590
Yxy	80.0960, 0.3526, 0.3949
Android (android.graphics.Color)	4293651373 (0xFFEBEBAD)
YUV	227.9320, -27.0815, 6.1986
Hunter-Lab	89.4964, -13.9795, 28.7192

Details

The Yxy color **80.0960, 0.3526, 0.3949** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **44.7698, 0.2669, 0.2533**, and the grayscale version is **77.7249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **43.1800, 0.3616, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **79.2629, 0.3674, 0.4194**, and if you desaturate by 10%, it is **81.0963, 0.3373, 0.3697**.

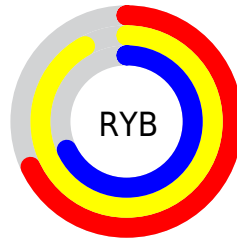
Distribution



Red (92%)

Green (92%)

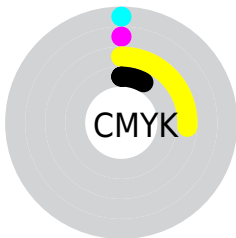
Blue (68%)



Red (68%)

Yellow (92%)

Blue (68%)

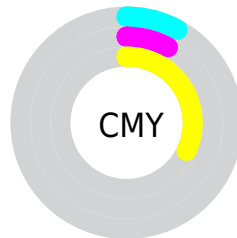


Cyan (0%)

Magenta (0%)

Yellow (26%)

Black (8%)



Cyan (8%)


Magenta (8%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0960, 0.3526, 0.3949 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 80.0960, 0.3526, 0.3949 by changing the saturation by 10% instead.


 80.0960, 0.3526,
0.3949

 80.0960, 0.3526,
0.3949


495.2563, 0.3349,
0.3645

 59.7974, 0.3564,
0.4017


 133.5007, 0.3467,
0.3844

 43.2553, 0.3609,
0.4101

167.3755, 0.3443,
0.3803

 30.0855, 0.3665,
0.4206


206.5446, 0.3422,
0.3768

 19.9035, 0.3733,
0.4341

251.3922, 0.3404,
0.3737

 12.3249, 0.3818,
0.4519

302.3028, 0.3388,
0.3710

 6.9654, 0.3923,
0.4762


359.6607, 0.3374,


 3.4404, 0.4084,

0.3686

0.5155


423.8504, 0.3361,
0.3665

 1.3658, 0.4252,
0.5748

 0.1913, 0.0000,
1.0000


 80.0960, 0.3526,
0.3949

 80.0960, 0.3526,
0.3949

 79.2629, 0.3674,
0.4194


 81.0963, 0.3373,
0.3697


 78.5779, 0.3813,
0.4423


 82.2608, 0.3222,
0.3446


 78.0354, 0.3936,
0.4626


 83.6004, 0.3075,
0.3204

 77.6252, 0.4037,
0.4794


 84.3255, 0.3006,
0.3090

 77.3360, 0.4114,
0.4920


 84.3310, 0.3006,
0.3090

 77.1542, 0.4164,
0.5002


 84.3365, 0.3006,
0.3090

 77.0631, 0.4188,
0.5043

 84.3421, 0.3006,
0.3090

 77.0426, 0.4194,
0.5052

 84.3476, 0.3006,
0.3090

 84.3531, 0.3006,
0.3090

Harmonies

Analogous

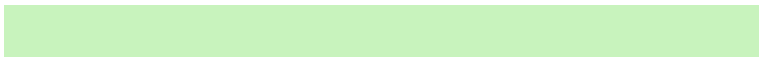
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0960, 0.3785, 0.3812



80.0960, 0.3526, 0.3949



80.0960, 0.3169, 0.3893

Triad

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



80.0960, 0.3526, 0.3949



80.0960, 0.2442, 0.2959



80.0960, 0.3426, 0.2971

Complementary

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



80.0960, 0.3526, 0.3949



44.7698, 0.2669, 0.2533

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.



80.0960, 0.3050, 0.2769



80.0960, 0.3526, 0.3949



80.0960, 0.2499, 0.2749

Square

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



80.0960, 0.3526, 0.3949



80.0960, 0.2553, 0.3286



80.0960, 0.2715, 0.2687



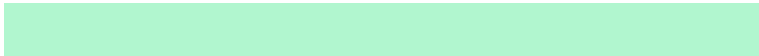
80.0960, 0.3731, 0.3250

Rectangle

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



80.0960, 0.3526, 0.3949



80.0960, 0.2926, 0.3743



80.0960, 0.2715, 0.2687



80.0960, 0.3303, 0.2892

Sweetspot

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



80.0996, 0.3526, 0.3949



98.7497, 0.3246, 0.3487



50.6017, 0.3685, 0.3280



21.0894, 0.3269, 0.3525



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.



80.0996, 0.3526, 0.3949



95.7912, 0.3612, 0.4091



75.4319, 0.3310, 0.3998



17.6259, 0.3268, 0.3523



42.8676, 0.4194, 0.5052



3.3665, 0.4194, 0.5052

Inverse Universe

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



44.7698, 0.2669, 0.2533



46.2036, 0.2552, 0.2340



48.5703, 0.2898, 0.2580



14.5500, 0.2980, 0.3046



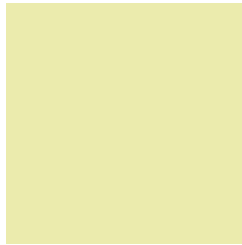
3.3399, 0.1500, 0.0600



0.2626, 0.1500, 0.0601

Previews

White Background



This preview shows how the Yxy color 80.0960, 0.3526, 0.3949 looks on a white background.

Color Contrast Check

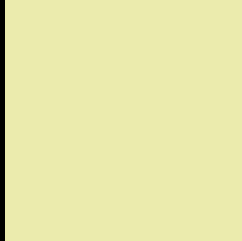
Large Text (above 18pt) WCAG AA × Fail

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 80.0960, 0.3526, 0.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

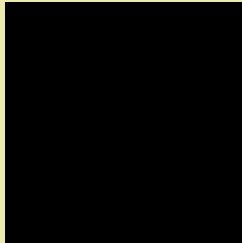
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

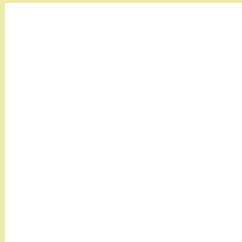
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0960, 0.3526, 0.3949

Background



This preview shows how black text looks on a background with the Yxy color 80.0960, 0.3526, 0.3949.

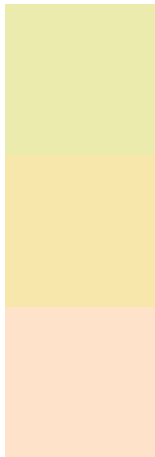


This preview shows how white text looks on a background with the Yxy color 80.0960, 0.3526, 0.3949.

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

80.0960, 0.3526, 0.3949

Protanopia

80.0486, 0.3646, 0.3910

Deuteranopia

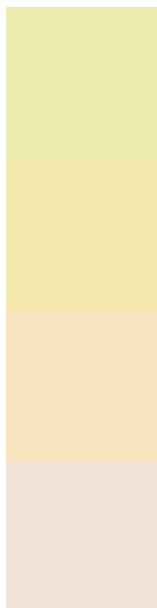
79.9170, 0.3498, 0.3534



Tritanopia

80.0969, 0.3142, 0.3119

Trichromacy



Original Color

80.0960, 0.3526, 0.3949

Protanomaly

79.7465, 0.3599, 0.3917

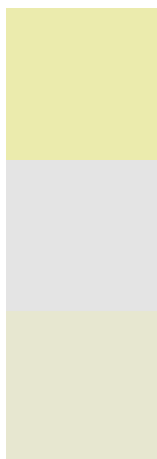
Deuteranomaly

79.7567, 0.3516, 0.3683

Tritanomaly

79.8014, 0.3282, 0.3404

Monochromacy



Original Color

80.0960, 0.3526, 0.3949

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.6948, 0.3275, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0960, 0.3526, 0.3949 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, 235, 173)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 173)  
}
```

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, 235, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 173) }
```

Border

The CSS property to change the border of an element to Yxy 80.0960, 0.3526, 0.3949 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, 235, 173) }
```

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

```
.border{ border-color:rgb(235, 235, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 173);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0960, 0.3526, 0.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 173) }
```

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

```
.background{ background-color: rgb(235,  
235, 173) }
```

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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