

Converting Colors

$Yxy(77.3317, 0.3548, 0.3900)$

Have a look what the booklet for
Yxy(77.3317, 0.3548, 0.3900)
contains.

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Color

Yxy(77.4436, 0.3546, 0.3899)

Conversions

Conversions Part 1

Format	Color
Hex	ECE6AD
RGB	236, 230, 173
RGB Percent	93%, 90%, 68%
CMY	0.0744, 0.0980, 0.3217
CMYK	0.00, 0.03, 0.27, 0.07
HSL	54°, 62%, 80%
HSV	54°, 27%, 93%
XYZ	70.4322, 77.4436, 50.7485
YIQ	225.2960, 21.8730, -16.4550

Conversions

Conversions Part 2

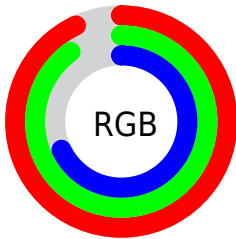
Format	Color
RYB	180, 236, 173
Decimal	15525549
CIELab	90.53, -6.70, 28.60
CIELCh	91, 29.373, 103.186
Yxy	77.4436, 0.3546, 0.3899
Android (android.graphics.Color)	4293715629 (0xFFECE6AD)
YUV	225.2960, -25.7819, 9.3874
Hunter-Lab	88.0020, -11.1417, 27.4104

Details

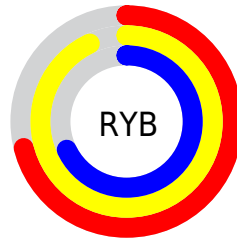
The Yxy color **77.4436, 0.3546, 0.3899** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.1645, 0.2670, 0.2598**, and the grayscale version is **75.6975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **41.5997, 0.3631, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **75.3685, 0.3708, 0.4126**, and if you desaturate by 10%, it is **79.7032, 0.3385, 0.3668**.

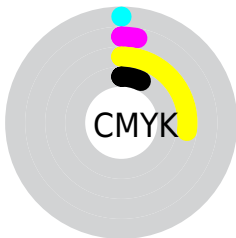
Distribution



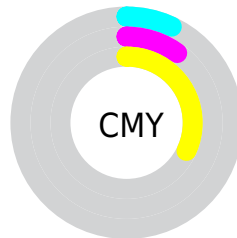
- Red (93%)
- Green (90%)
- Blue (68%)



- Red (71%)
- Yellow (93%)
- Blue (68%)



- Cyan (0%)
- Magenta (3%)
- Yellow (27%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4436, 0.3546, 0.3899 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 77.4436, 0.3546, 0.3899 by changing the saturation by 10% instead.

■ 77.4436, 0.3546,
0.3899

■ 77.4436, 0.3546,
0.3899

486.2752, 0.3358,
0.3618

■ 57.6170, 0.3587,
0.3962

■ 129.7655, 0.3482,
0.3802

■ 41.5008, 0.3637,
0.4040

163.0296, 0.3457,
0.3764

■ 28.7106, 0.3698,
0.4138

201.5416, 0.3435,
0.3732

■ 18.8620, 0.3774,
0.4263

245.6860, 0.3416,
0.3703

■ 11.5706, 0.3871,
0.4428

295.8472, 0.3399,
0.3678

■ 6.4520, 0.3995,
0.4654

352.4095, 0.3384,

■ 3.1218, 0.4200,

0.3656

415.7574, 0.3370,
0.3636

0.5035

1.1957, 0.4423,
0.5577

0.0582, 0.0000,
1.0000

77.4436, 0.3546,
0.3899

77.4436, 0.3546,
0.3899

75.3685, 0.3708,
0.4126

79.7032, 0.3385,
0.3668

73.4589, 0.3865,
0.4340

82.1448, 0.3228,
0.3439


71.7090, 0.4009,
0.4531

84.7793, 0.3079,
0.3219

70.1083, 0.4136,
0.4688


86.7915, 0.3012,
0.3130


 68.6454, 0.4238,
0.4805


 88.1174, 0.3012,
0.3153


 67.3063, 0.4314,
0.4877

 89.4597, 0.3012,
0.3176

 66.0738, 0.4361,
0.4905

 90.8185, 0.3012,
0.3198

 65.6833, 0.4374,
0.4909

 92.1940, 0.3012,
0.3221

 93.5860, 0.3012,
0.3243

Harmonies

Analogous

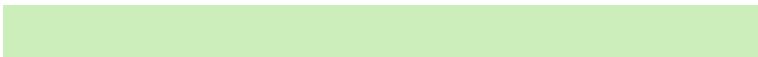
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4436, 0.3767, 0.3751



77.4436, 0.3546, 0.3899



77.4436, 0.3219, 0.3873

Triad

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



77.4436, 0.3546, 0.3899



77.4436, 0.2488, 0.3021



77.4436, 0.3358, 0.2956

Complementary

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



77.4436, 0.3546, 0.3899



47.1645, 0.2670, 0.2598

Split Complementary

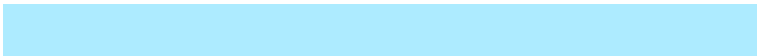
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4436, 0.3005, 0.2780



77.4436, 0.3546, 0.3899



77.4436, 0.2519, 0.2803

Square

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



77.4436, 0.3546, 0.3899



77.4436, 0.2616, 0.3338



77.4436, 0.2702, 0.2722



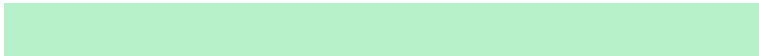
77.4436, 0.3660, 0.3212

Rectangle

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



77.4436, 0.3546, 0.3899



77.4436, 0.2988, 0.3750



77.4436, 0.2702, 0.2722



77.4436, 0.3241, 0.2886

Sweetspot

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



77.4471, 0.3546, 0.3899



97.5204, 0.3248, 0.3469



50.9718, 0.3646, 0.3221



20.7771, 0.3272, 0.3503



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.



77.4471, 0.3546, 0.3899



90.9489, 0.3634, 0.4023



76.8340, 0.3349, 0.3999



17.3671, 0.3270, 0.3501



36.3051, 0.4371, 0.4912



2.9223, 0.4343, 0.4934

Inverse Universe

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



47.1645, 0.2670, 0.2598



49.2708, 0.2564, 0.2432



47.9583, 0.2854, 0.2562



14.7798, 0.2980, 0.3070



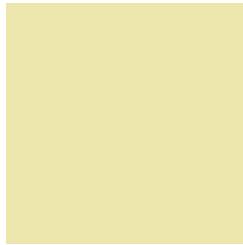
3.7473, 0.1518, 0.0665



0.3730, 0.1561, 0.0819

Previews

White Background



This preview shows how the Yxy color 77.4436, 0.3546, 0.3899 looks on a white background.

Color Contrast Check

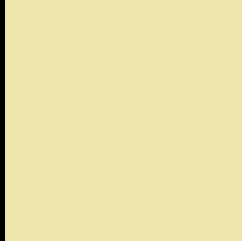
Large Text (above 18pt) WCAG AA × Fail

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 77.4436, 0.3546, 0.3899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

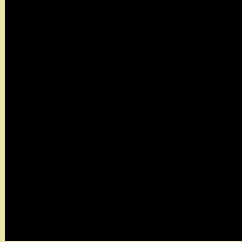
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

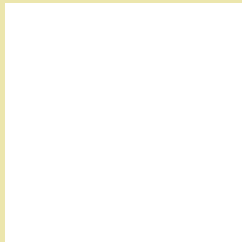
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4436, 0.3546, 0.3899

Background



This preview shows how black text looks on a background with the Yxy color 77.4436, 0.3546, 0.3899.



This preview shows how white text looks on a background with the Yxy color 77.4436, 0.3546, 0.3899.

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

77.4436, 0.3546, 0.3899

Protanopia

77.1498, 0.3620, 0.3867

Deuteranopia

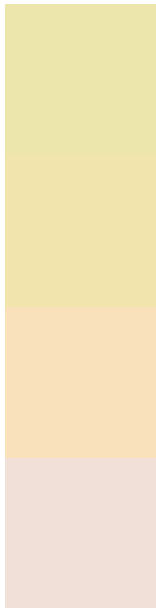
77.4427, 0.3555, 0.3566



Tritanopia

77.1780, 0.3171, 0.3108

Trichromacy



Original Color

77.4436, 0.3546, 0.3899

Protanomaly

77.1661, 0.3595, 0.3882

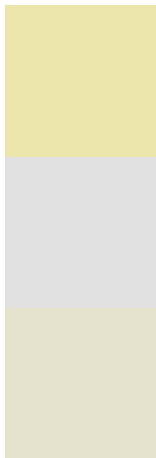
Deuteranomaly

77.3947, 0.3552, 0.3685

Tritanomaly

76.9184, 0.3308, 0.3384

Monochromacy



Original Color

77.4436, 0.3546, 0.3899

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.0524, 0.3279, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4436, 0.3546, 0.3899 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(236, 230, 173)` looks like.

```
.text, #text, p{  
    color:rgb(236, 230, 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(236, 230, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 230, 173) }
```

Border

The CSS property to change the border of an element to Yxy 77.4436, 0.3546, 0.3899 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(236, 230, 173) }
```

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

```
.border{ border-color:rgb(236, 230, 173) }
```

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

Here you see how a box with a 4 pixel rgb(236, 230, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 230, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 230, 173);  
box-shadow:4px 4px 4px 4px rgb(236, 230,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4436, 0.3546, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 230, 173) }
```

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

```
.background{ background-color: rgb(236,  
230, 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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