

Converting Colors

$Yxy(76.9483, 0.3501, 0.3955)$

Have a look what the booklet for
Yxy(76.9483, 0.3501, 0.3955)
contains.

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Color

Yxy(77.1095, 0.3501, 0.3964)

Conversions

Conversions Part 1

Format	Color
Hex	E4E8AA
RGB	228, 232, 170
RGB Percent	89%, 91%, 67%
CMY	0.1059, 0.0902, 0.3334
CMYK	0.02, 0.00, 0.27, 0.09
HSL	64°, 57%, 79%
HSV	64°, 27%, 91%
XYZ	68.1030, 77.1095, 49.3120
YIQ	223.7360, 17.5180, -20.1300

Conversions

Conversions Part 2

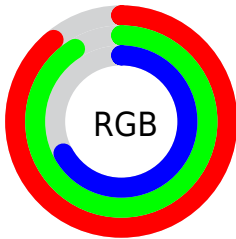
Format	Color
RYB	170, 232, 174
Decimal	15001770
CIELab	90.37, -11.08, 29.81
CIELCh	90, 31.804, 110.394
Yxy	77.1095, 0.3501, 0.3964
Android (android.graphics.Color)	4293191850 (0xFFE4E8AA)
YUV	223.7360, -26.4918, 3.7395
Hunter-Lab	87.8120, -15.2345, 28.1734

Details

The Yxy color **77.1095, 0.3501, 0.3964** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.5659, 0.2693, 0.2529**, and the grayscale version is **74.5260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **41.1057, 0.3584, 0.4121** is the 20% darker color. If you saturate the color by 10%, you get **76.0663, 0.3637, 0.4216**, and if you desaturate by 10%, it is **78.3167, 0.3360, 0.3708**.

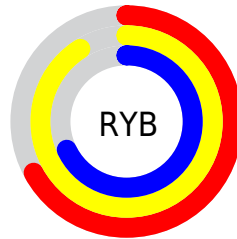
Distribution



Red (89%)

Green (91%)

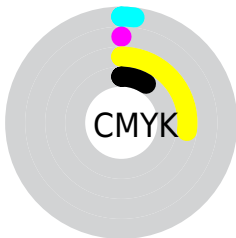
Blue (67%)



Red (67%)

Yellow (91%)

Blue (68%)

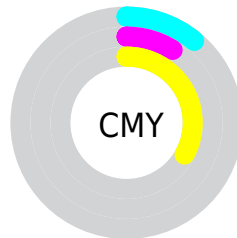


Cyan (2%)

Magenta (0%)

Yellow (27%)

Black (9%)



Cyan (11%)


Magenta (9%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1095, 0.3501, 0.3964 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 77.1095, 0.3501, 0.3964 by changing the saturation by 10% instead.

 77.1095, 0.3501,
0.3964

 77.1095, 0.3501,
0.3964


485.1373, 0.3335,
0.3650

 57.3427, 0.3537,
0.4035


 129.2940, 0.3445,
0.3855

 41.2805, 0.3579,
0.4123

162.4806, 0.3423,
0.3813

 28.5383, 0.3631,
0.4234


200.9093, 0.3404,
0.3776

 18.7318, 0.3695,
0.4377

244.9644, 0.3386,
0.3745

 11.4767, 0.3774,
0.4568

295.0303, 0.3371,
0.3717

 6.3884, 0.3870,
0.4832

351.4915, 0.3358,

 3.0827, 0.4050,

0.3692

0.5310

414.7324, 0.3346,
0.3670

■ 1.1750, 0.4113,
0.5887

■ 0.0412, 0.0000,
1.0000

■ 77.1095, 0.3501,
0.3964

■ 77.1095, 0.3501,
0.3964

■ 76.0663, 0.3637,
0.4216

■ 78.3167, 0.3360,
0.3708

■ 75.1685, 0.3763,
0.4454

■ 79.6851, 0.3220,
0.3455

■ 74.4108, 0.3874,
0.4667

■ 81.2252, 0.3083,
0.3212

■ 73.7833, 0.3963,
0.4847

■ 82.4323, 0.2999,
0.3058

73.2748, 0.4027,
0.4986

82.6878, 0.3009,
0.3059

72.8722, 0.4065,
0.5080

82.9456, 0.3019,
0.3060

72.5590, 0.4078,
0.5132

83.2055, 0.3029,
0.3060

72.4671, 0.4079,
0.5143

83.4676, 0.3039,
0.3061

83.7318, 0.3048,
0.3062

Harmonies

Analogous

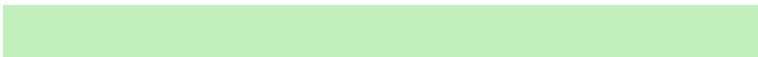
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1095, 0.3778, 0.3840



77.1095, 0.3501, 0.3964



77.1095, 0.3134, 0.3888

Triad

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



77.1095, 0.3501, 0.3964



77.1095, 0.2429, 0.2927



77.1095, 0.3465, 0.2989

Complementary

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



77.1095, 0.3501, 0.3964



43.5659, 0.2693, 0.2529

Split Complementary

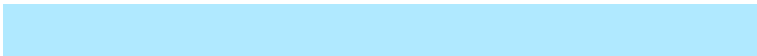
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1095, 0.3084, 0.2776



77.1095, 0.3501, 0.3964



77.1095, 0.2504, 0.2728

Square

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



77.1095, 0.3501, 0.3964



77.1095, 0.2526, 0.3252



77.1095, 0.2736, 0.2680



77.1095, 0.3763, 0.3277

Rectangle

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



77.1095, 0.3501, 0.3964



77.1095, 0.2890, 0.3723



77.1095, 0.2736, 0.2680



77.1095, 0.3341, 0.2907

Sweetspot

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



77.1129, 0.3501, 0.3964



98.5052, 0.3238, 0.3488



49.9763, 0.3694, 0.3327



21.0273, 0.3259, 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.



77.1129, 0.3501, 0.3964



94.8235, 0.3576, 0.4102



72.6116, 0.3282, 0.4014



16.7672, 0.3258, 0.3523



40.2483, 0.4081, 0.5142



2.9886, 0.4098, 0.5128

Inverse Universe

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



43.5659, 0.2693, 0.2529



46.8073, 0.2588, 0.2348



47.4185, 0.2928, 0.2578



13.9315, 0.2990, 0.3048



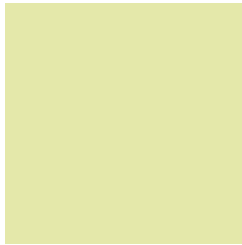
3.3096, 0.1521, 0.0611



0.2603, 0.1578, 0.0643

Previews

White Background



This preview shows how the Yxy color 77.1095, 0.3501, 0.3964 looks on a white background.

Color Contrast Check

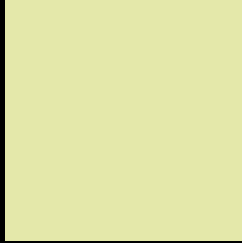
Large Text (above 18pt) WCAG AA × Fail

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 77.1095, 0.3501, 0.3964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

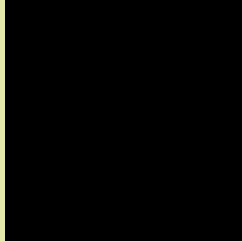
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1095, 0.3501, 0.3964

Background



This preview shows how black text looks on a background with the Yxy color 77.1095, 0.3501, 0.3964.

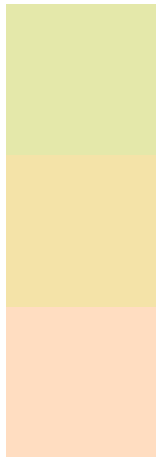


This preview shows how white text looks on a background with the Yxy color 77.1095, 0.3501, 0.3964.

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

77.1095, 0.3501, 0.3964

Protanopia

76.9984, 0.3648, 0.3909

Deuteranopia

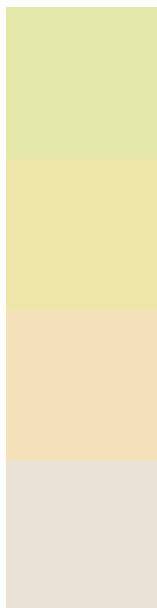
76.8232, 0.3572, 0.3577



Tritanopia

77.0711, 0.3114, 0.3116

Trichromacy



Original Color

77.1095, 0.3501, 0.3964

Protanomaly

77.0803, 0.3590, 0.3928

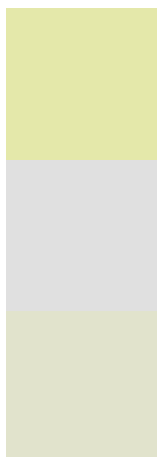
Deuteranomaly

76.7657, 0.3544, 0.3709

Tritanomaly

76.7914, 0.3256, 0.3406

Monochromacy



Original Color

77.1095, 0.3501, 0.3964

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.3054, 0.3263, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1095, 0.3501, 0.3964 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(228, 232, 170)` looks like.

```
.text, #text, p{  
    color:rgb(228, 232, 170)  
}
```

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(228, 232, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 232, 170) }
```

Border

The CSS property to change the border of an element to Yxy 77.1095, 0.3501, 0.3964 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(228, 232, 170) }
```

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

```
.border{ border-color:rgb(228, 232, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 232, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 232, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 232, 170);  
box-shadow:4px 4px 4px 4px rgb(228, 232,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1095, 0.3501, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 232, 170) }
```

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

```
.background{ background-color: rgb(228,  
232, 170) }
```

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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