

Converting Colors

Yxy(76.7868, 0.3646, 0.4310)

Have a look what the booklet for
Yxy(76.7868, 0.3646, 0.4310)
contains.

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Color

Yxy(76.6160, 0.3647, 0.4301)

Conversions

Conversions Part 1

Format	Color
Hex	E0EA8D
RGB	224, 234, 141
RGB Percent	88%, 92%, 55%
CMY	0.1216, 0.0823, 0.4472
CMYK	0.04, 0.00, 0.40, 0.08
HSL	66°, 69%, 74%
HSV	66°, 40%, 92%
XYZ	64.9660, 76.6160, 36.5534
YIQ	220.4080, 23.8930, -31.0430

Conversions

Conversions Part 2

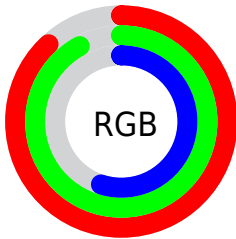
Format	Color
RYB	141, 234, 151
Decimal	14740109
CIELab	90.14, -17.08, 44.01
CIELCh	90, 47.205, 111.213
Yxy	76.6160, 0.3647, 0.4301
Android (android.graphics.Color)	4292930189 (0xFFE0EA8D)
YUV	220.4080, -39.1481, 3.1502
Hunter-Lab	87.5306, -20.6942, 36.5115

Details

The Yxy color **76.6160, 0.3647, 0.4301** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.5636, 0.2465, 0.2095**, and the grayscale version is **72.1356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **40.7775, 0.3741, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **75.5950, 0.3761, 0.4540**, and if you desaturate by 10%, it is **77.7970, 0.3521, 0.4047**.

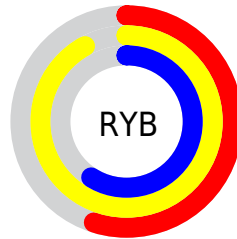
Distribution



Red (88%)

Green (92%)

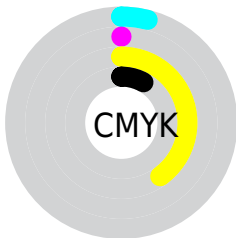
Blue (55%)



Red (55%)

Yellow (92%)

Blue (59%)

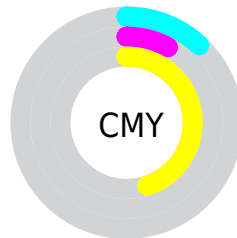


Cyan (4%)

Magenta (0%)

Yellow (40%)

Black (8%)



Cyan (12%)


Magenta (8%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6160, 0.3647, 0.4301 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 76.6160, 0.3647, 0.4301 by changing the saturation by 10% instead.


 76.6160, 0.3647,
0.4301

 76.6160, 0.3647,
0.4301


483.4538, 0.3424,
0.3830

 56.9378, 0.3692,
0.4407

 128.5973, 0.3574,
0.4139

 40.9553, 0.3743,
0.4536


 161.6691, 0.3545,
0.4075

 28.2841, 0.3802,
0.4696


199.9743, 0.3519,
0.4020

 18.5400, 0.3867,
0.4897

243.8972, 0.3495,
0.3972

 11.3383, 0.3934,
0.5155

293.8222, 0.3475,
0.3930

 6.2949, 0.4001,
0.5511

350.1337, 0.3456,

 3.0252, 0.4015,

0.3893

0.5985

413.2161, 0.3440,
0.3860

■ 1.1449, 0.3623,
0.6377

■ 0.0160, 0.0000,
1.0000

■ 76.6160, 0.3647,
0.4301

■ 76.6160, 0.3647,
0.4301

■ 75.5950, 0.3761,
0.4540

■ 77.7970, 0.3521,
0.4047

■ 74.7144, 0.3858,
0.4752

■ 79.1363, 0.3389,
0.3788

■ 73.9670, 0.3932,
0.4929

■ 80.6451, 0.3255,
0.3531

■ 73.3411, 0.3980,
0.5064


■ 82.3309, 0.3124,
0.3284

 72.8223, 0.4002,
0.5153

 84.0071, 0.3016,
0.3080


 72.3873, 0.4002,
0.5203

 84.4433, 0.3032,
0.3081

 72.3771, 0.4002,
0.5204

 84.8856, 0.3049,
0.3082

 85.3341, 0.3065,
0.3083

 85.7888, 0.3082,
0.3084

Harmonies

Analogous

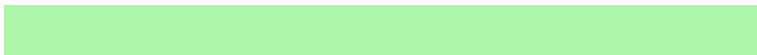
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6160, 0.4072, 0.4087



76.6160, 0.3647, 0.4301



76.6160, 0.3104, 0.4200

Triad

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



76.6160, 0.3647, 0.4301



76.6160, 0.2123, 0.2729



76.6160, 0.3640, 0.2862

Complementary

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



76.6160, 0.3647, 0.4301



31.5636, 0.2465, 0.2095

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.



76.6160, 0.3070, 0.2561



76.6160, 0.3647, 0.4301



76.6160, 0.2233, 0.2464

Square

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



76.6160, 0.3647, 0.4301



76.6160, 0.2246, 0.3200



76.6160, 0.2563, 0.2416



76.6160, 0.4087, 0.3264

Rectangle

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



76.6160, 0.3647, 0.4301



76.6160, 0.2752, 0.3941



76.6160, 0.2563, 0.2416



76.6160, 0.3453, 0.2747

Sweetspot

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



76.6195, 0.3647, 0.4301



97.5634, 0.3286, 0.3590



41.3189, 0.4088, 0.3399



20.8299, 0.3303, 0.3623



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.



76.6195, 0.3647, 0.4301



92.0458, 0.3745, 0.4504



70.2621, 0.3313, 0.4422



17.5397, 0.3251, 0.3524



40.7011, 0.4005, 0.5202



3.2197, 0.4033, 0.5180

Inverse Universe

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



31.5636, 0.2465, 0.2095



29.9776, 0.2293, 0.1800



36.8270, 0.2841, 0.2210



14.6266, 0.2996, 0.3047



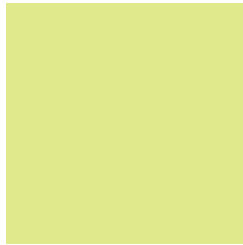
3.4819, 0.1538, 0.0621



0.2994, 0.1624, 0.0668

Previews

White Background



This preview shows how the Yxy color 76.6160, 0.3647, 0.4301 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 Xy color 76.6160, 0.3647, 0.4301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

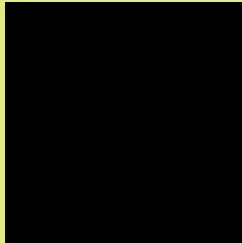
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6160, 0.3647, 0.4301

Background



This preview shows how black text looks on a background with the Yxy color 76.6160, 0.3647, 0.4301.



This preview shows how white text looks on a background with the Yxy color 76.6160, 0.3647, 0.4301.

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

76.6160, 0.3647, 0.4301

Protanopia

76.5473, 0.3867, 0.4204

Deuteranopia

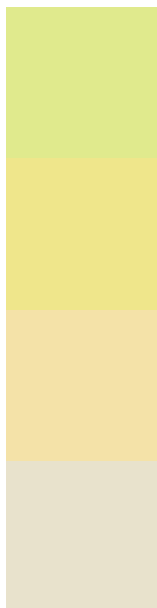
76.4336, 0.3637, 0.3670



Tritanopia

76.3667, 0.3108, 0.3105

Trichromacy



Original Color

76.6160, 0.3647, 0.4301

Protanomaly

76.8084, 0.3787, 0.4244

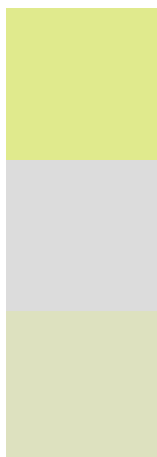
Deuteranomaly

76.4530, 0.3651, 0.3900

Tritanomaly

75.9082, 0.3315, 0.3526

Monochromacy



Original Color

76.6160, 0.3647, 0.4301

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.9842, 0.3324, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6160, 0.3647, 0.4301 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(224, 234, 141)` looks like.

```
.text, #text, p{  
    color:rgb(224, 234, 141)  
}
```

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(224, 234, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 234, 141) }
```

Border

The CSS property to change the border of an element to Yxy 76.6160, 0.3647, 0.4301 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(224, 234, 141) }
```

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

```
.border{ border-color:rgb(224, 234, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 234, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 234, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 234, 141);  
box-shadow:4px 4px 4px 4px rgb(224, 234,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6160, 0.3647, 0.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 234, 141) }
```

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

```
.background{ background-color: rgb(224,  
234, 141) }
```

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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