

Converting Colors

$Y_{xy}(76.5994, 0.3754, 0.4381)$

Have a look what the booklet for
Yxy(76.5994, 0.3754, 0.4381)
contains.

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Color

Yxy(76.5475, 0.3753, 0.4387)

Conversions

Conversions Part 1

Format	Color
Hex	E5E982
RGB	229, 233, 130
RGB Percent	90%, 91%, 51%
CMY	0.1019, 0.0863, 0.4901
CMYK	0.02, 0.00, 0.44, 0.09
HSL	62°, 70%, 71%
HSV	62°, 44%, 91%
XYZ	65.4850, 76.5475, 32.4546
YIQ	220.0620, 30.6790, -32.8810

Conversions

Conversions Part 2

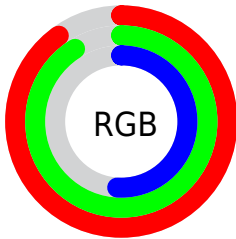
Format	Color
R _Y B	130, 233, 134
Decimal	15067522
CIE Lab	90.11, -15.77, 49.35
CIE LCh	90, 51.814, 107.725
Yxy	76.5475, 0.3753, 0.4387
Android (android.graphics.Color)	4293257602 (0xFFE5E982)
YUV	220.0620, -44.4006, 7.8386
Hunter-Lab	87.4914, -19.5075, 39.2506

Details

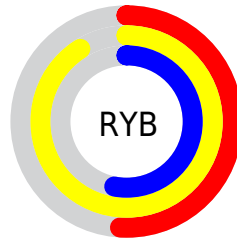
The Yxy color **76.5475, 0.3753, 0.4387** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.9291, 0.2323, 0.1923**, and the grayscale version is **71.9204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **40.7650, 0.3869, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **75.8460, 0.3873, 0.4603**, and if you desaturate by 10%, it is **77.3984, 0.3619, 0.4148**.

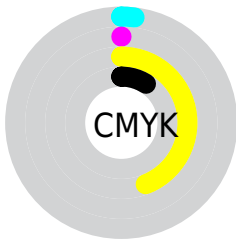
Distribution



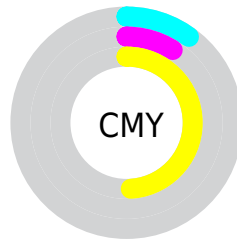
- Red (90%)
- Green (91%)
- Blue (51%)



- Red (51%)
- Yellow (91%)
- Blue (53%)



- Cyan (2%)
- Magenta (0%)
- Yellow (44%)
- Black (9%)




- Cyan (10%)
- Magenta (9%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5475, 0.3753, 0.4387 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 76.5475, 0.3753, 0.4387 by changing the saturation by 10% instead.


 76.5475, 0.3753,
0.4387


 76.5475, 0.3753,
0.4387


483.2198, 0.3486,
0.3881

 56.8816, 0.3806,
0.4499


 128.5005, 0.3667,
0.4214

 40.9102, 0.3866,
0.4633


 161.5564, 0.3631,
0.4146

 28.2489, 0.3934,
0.4798


 199.8444, 0.3600,
0.4087

 18.5134, 0.4007,
0.5001

243.7489, 0.3572,
0.4035

 11.3192, 0.4077,
0.5251

293.6543, 0.3547,
0.3990

 6.2819, 0.4190,
0.5649

349.9450, 0.3525,

 3.0173, 0.4082,

0.3950

0.5918

413.0054, 0.3505,
0.3914

■ 1.1408, 0.3731,
0.6269

■ 0.0125, 0.0000,
1.0000

■ 76.5475, 0.3753,
0.4387

■ 76.5475, 0.3753,
0.4387

■ 75.8460, 0.3873,
0.4603

■ 77.3984, 0.3619,
0.4148

■ 75.2738, 0.3972,
0.4787


■ 78.3971, 0.3476,
0.3897

■ 74.8234, 0.4047,
0.4931


■ 79.5550, 0.3330,
0.3642

■ 74.4823, 0.4096,
0.5031


■ 80.8798, 0.3186,
0.3392

 74.2350, 0.4120,
0.5088


 82.3783, 0.3047,
0.3152

 74.1205, 0.4125,
0.5107

 83.0644, 0.3002,
0.3069

 83.2181, 0.3008,
0.3069

 83.3726, 0.3014,
0.3069

 83.5280, 0.3020,
0.3070

Harmonies

Analogous

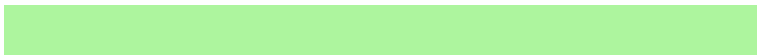
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5475, 0.4196, 0.4111



76.5475, 0.3753, 0.4387



76.5475, 0.3166, 0.4332

Triad

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



76.5475, 0.3753, 0.4387



76.5475, 0.2038, 0.2720



76.5475, 0.3618, 0.2778

Complementary

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



76.5475, 0.3753, 0.4387



26.9291, 0.2323, 0.1923

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.



76.5475, 0.2990, 0.2471



76.5475, 0.3753, 0.4387



76.5475, 0.2129, 0.2410

Square

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



76.5475, 0.3753, 0.4387



76.5475, 0.2198, 0.3257



76.5475, 0.2458, 0.2336



76.5475, 0.4138, 0.3202

Rectangle

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



76.5475, 0.3753, 0.4387



76.5475, 0.2776, 0.4071



76.5475, 0.2458, 0.2336



76.5475, 0.3409, 0.2659

Sweetspot

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



76.5510, 0.3753, 0.4387



97.8028, 0.3314, 0.3614



35.8403, 0.4285, 0.3332



20.8616, 0.3346, 0.3670



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.



76.5510, 0.3753, 0.4387



93.1517, 0.3862, 0.4584



69.3669, 0.3375, 0.4542



17.5955, 0.3262, 0.3523



42.0699, 0.4126, 0.5106



3.3128, 0.4136, 0.5098

Inverse Universe

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



26.9291, 0.2323, 0.1923



24.9838, 0.2131, 0.1603



32.1665, 0.2738, 0.2063



14.5768, 0.2986, 0.3047



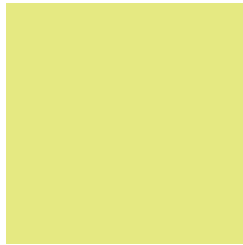
3.3836, 0.1512, 0.0607



0.2755, 0.1545, 0.0625

Previews

White Background



This preview shows how the Yxy color 76.5475, 0.3753, 0.4387 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 76.5475, 0.3753, 0.4387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

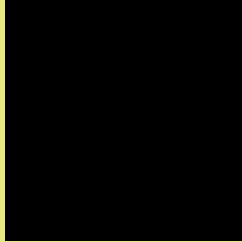
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5475, 0.3753, 0.4387

Background



This preview shows how black text looks on a background with the Yxy color 76.5475, 0.3753, 0.4387.



This preview shows how white text looks on a background with the Yxy color 76.5475, 0.3753, 0.4387.

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

76.5475, 0.3753, 0.4387

Protanopia

76.6364, 0.3944, 0.4292

Deuteranopia

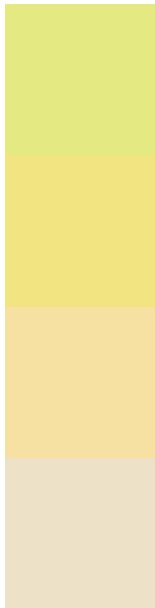
76.3503, 0.3651, 0.3690



Tritanopia

76.5867, 0.3156, 0.3117

Trichromacy



Original Color

76.5475, 0.3753, 0.4387

Protanomaly

76.5008, 0.3875, 0.4322

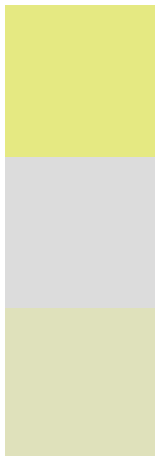
Deuteranomaly

76.0876, 0.3703, 0.3938

Tritanomaly

75.9785, 0.3387, 0.3567

Monochromacy



Original Color

76.5475, 0.3753, 0.4387

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.1263, 0.3365, 0.3710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5475, 0.3753, 0.4387 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(229, 233, 130)` looks like.

```
.text, #text, p{  
    color:rgb(229, 233, 130)  
}
```

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(229, 233, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 233, 130) }
```

Border

The CSS property to change the border of an element to Yxy 76.5475, 0.3753, 0.4387 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(229, 233, 130) }
```

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

```
.border{ border-color:rgb(229, 233, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 233, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 233, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 233, 130);  
box-shadow:4px 4px 4px 4px rgb(229, 233,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5475, 0.3753, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 233, 130) }
```

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

```
.background{ background-color: rgb(229,  
233, 130) }
```

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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