

Converting Colors

Yxy(76.7591, 0.3856, 0.4833)

Have a look what the booklet for
Yxy(76.7591, 0.3856, 0.4833)
contains.

Yxy(76.7591, 0.3856, 0.4833)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.7591, 0.3856, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	DAEE58
RGB	218, 238, 88
RGB Percent	85%, 93%, 35%
CMY	0.1452, 0.0666, 0.6549
CMYK	0.08, 0.00, 0.63, 0.07
HSL	68°, 82%, 64%
HSV	68°, 63%, 93%
XYZ	61.2421, 76.7591, 20.8217
YIQ	214.9200, 36.2300, -50.8900

Conversions

Conversions Part 2

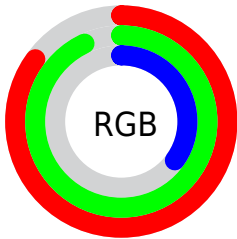
Format	Color
R _Y B	88, 238, 108
Decimal	14347864
CIE Lab	90.21, -25.95, 67.90
CIE LCh	90, 72.685, 110.915
Yxy	76.7591, 0.3856, 0.4833
Android (android.graphics.Color)	4292537944 (0xFFDAEE58)
YUV	214.9200, -62.5716, 2.7012
Hunter-Lab	87.6123, -28.5477, 47.2379

Details

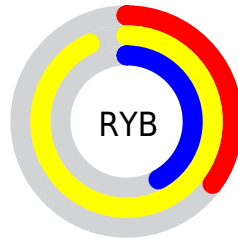
The Yxy color **76.7591, 0.3856, 0.4833** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.3467, 0.2022, 0.1316**, and the grayscale version is **68.3105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **40.9997, 0.3946, 0.5152** is the 20% darker color. If you saturate the color by 10%, you get **75.9447, 0.3917, 0.5002**, and if you desaturate by 10%, it is **77.7186, 0.3771, 0.4626**.

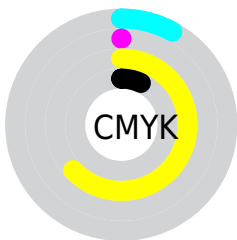
Distribution



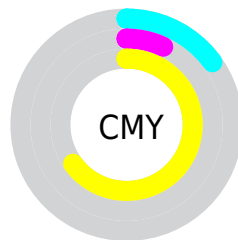
- Red (85%)
- Green (93%)
- Blue (35%)



- Red (35%)
- Yellow (93%)
- Blue (42%)



- Cyan (8%)
- Magenta (0%)
- Yellow (63%)
- Black (7%)





- Cyan (15%)
- Magenta (7%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7591, 0.3856, 0.4833 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 76.7591, 0.3856, 0.4833 by changing the saturation by 10% instead.


 76.7591, 0.3856,
0.4833

 76.7591, 0.3856,
0.4833

483.9423, 0.3575,
0.4129

 57.0552, 0.3901,
0.4982


 128.7994, 0.3773,
0.4597


 41.0495, 0.3944,
0.5156


 161.9045, 0.3737,
0.4502

 28.3578, 0.3981,
0.5361


 200.2455, 0.3703,
0.4420

 18.5955, 0.3997,
0.5597

 244.2068, 0.3672,
0.4347

 11.3784, 0.4015,
0.5933

294.1727, 0.3645,
0.4283

 6.3220, 0.3847,
0.6153

350.5276, 0.3619,

 3.0418, 0.3552,

0.4226

0.6448

413.6560, 0.3596,
0.4175

■ 1.1536, 0.2766,
0.7234

■ 0.0233, 0.0000,
1.0000

■ 76.7591, 0.3856,
0.4833

■ 76.7591, 0.3856,
0.4833

■ 75.9447, 0.3917,
0.5002

■ 77.7186, 0.3771,
0.4626

■ 75.2519, 0.3952,
0.5127

■ 78.8241, 0.3667,
0.4390

■ 74.6681, 0.3961,
0.5207


■ 80.0892, 0.3549,
0.4136

■ 74.3086, 0.3956,
0.5241

■ 81.5231, 0.3422,
0.3875

 83.1342, 0.3293,
0.3615

 84.9306, 0.3165,
0.3364

 86.9195, 0.3041,
0.3125

 87.5064, 0.3060,
0.3123

 88.0786, 0.3080,
0.3124

Harmonies

Analogous

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



76.7591, 0.4513, 0.4408



76.7591, 0.3856, 0.4833



76.7591, 0.3051, 0.4763

Triad

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



76.7591, 0.3856, 0.4833



76.7591, 0.1677, 0.2421



76.7591, 0.3894, 0.2647

Complementary

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



76.7591, 0.3856, 0.4833



16.3467, 0.2022, 0.1316

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.



76.7591, 0.3010, 0.2235



76.7591, 0.3856, 0.4833



76.7591, 0.1828, 0.2076

Square

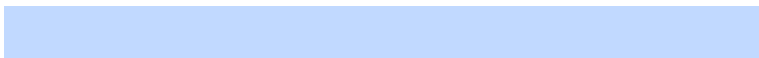
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7591, 0.3856, 0.4833



76.7591, 0.1831, 0.3118



76.7591, 0.2277, 0.2030



76.7591, 0.4601, 0.3197

Rectangle

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



76.7591, 0.3856, 0.4833



76.7591, 0.2536, 0.4346



76.7591, 0.2277, 0.2030



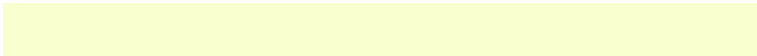
76.7591, 0.3600, 0.2490

Sweetspot

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



76.7626, 0.3856, 0.4833



96.0555, 0.3372, 0.3772



29.6117, 0.5004, 0.3495



20.4473, 0.3409, 0.3847



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.



76.7626, 0.3856, 0.4833



88.5332, 0.3932, 0.5048



67.7031, 0.3324, 0.5153



18.3457, 0.3248, 0.3525



41.4922, 0.3960, 0.5238



3.4812, 0.3992, 0.5212

Inverse Universe

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



16.3467, 0.2022, 0.1316



12.6100, 0.1792, 0.0955



23.2237, 0.2652, 0.1601



15.3300, 0.3000, 0.3047



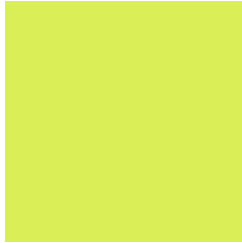
3.6448, 0.1552, 0.0628



0.3349, 0.1646, 0.0681

Previews

White Background



This preview shows how the Yxy color 76.7591, 0.3856, 0.4833 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 76.7591, 0.3856, 0.4833 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 76.7591, 0.3856, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 76.7591, 0.3856, 0.4833.



This preview shows how white text looks on a background with the Yxy color 76.7591, 0.3856, 0.4833.

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

76.7591, 0.3856, 0.4833

Protanopia

76.4767, 0.4199, 0.4613

Deuteranopia

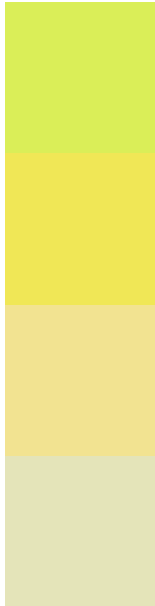
76.1873, 0.3680, 0.3731



Tritanopia

76.5590, 0.3094, 0.3115

Trichromacy



Original Color

76.7591, 0.3856, 0.4833

Protanomaly

76.3490, 0.4071, 0.4696

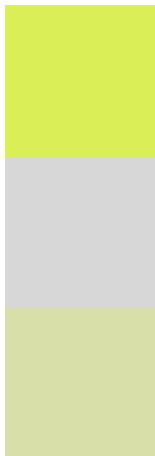
Deuteranomaly

75.8597, 0.3785, 0.4149

Tritanomaly

75.4836, 0.3410, 0.3758

Monochromacy



Original Color

76.7591, 0.3856, 0.4833

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

70.2389, 0.3438, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7591, 0.3856, 0.4833 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(218, 238, 88)` looks like.

```
.text, #text, p{  
    color:rgb(218, 238, 88)  
}
```

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(218, 238, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 238, 88) }
```

Border

The CSS property to change the border of an element to Yxy 76.7591, 0.3856, 0.4833 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(218, 238, 88) }
```

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

```
.border{ border-color:rgb(218, 238, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 238, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 238, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 238, 88);  
box-shadow:4px 4px 4px 4px rgb(218, 238,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7591, 0.3856, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 238, 88) }
```

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

```
.background{ background-color: rgb(218,  
238, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor