

Converting Colors

$Yxy(76.9339, 0.3786, 0.4287)$

Have a look what the booklet for
Yxy(76.9339, 0.3786, 0.4287)
contains.

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Color

Yxy(76.9339, 0.3786, 0.4287)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EDE788 |
| RGB | 237, 231, 136 |
| RGB Percent | 93%, 91%, 53% |
| CMY | 0.0707, 0.0941, 0.4664 |
| CMYK | 0.00, 0.03, 0.43, 0.07 |
| HSL | 56°, 74%, 73% |
| HSV | 56°, 43%, 93% |
| XYZ | 67.9430, 76.9339, 34.5817 |
| YIQ | 221.9640, 34.0710, -28.2730 |

Conversions

Conversions Part 2

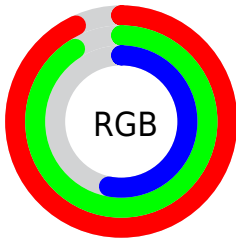
| Format | Color |
|-------------------------------------|---|
| RYB | 142, 237, 136 |
| Decimal | 15591304 |
| CIELab | 90.29, -11.09, 46.80 |
| CIELCh | 90, 48.100, 103.324 |
| Yxy | 76.9339, 0.3786, 0.4287 |
| Android (android.graphics.Color) | 4293781384 (0xFFEDE788) |
| YUV | 221.9640, -42.3803, 13.1866 |
| Hunter-Lab | 87.7120, -15.2271, 38.0225 |

Details

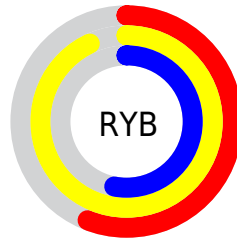
The Yxy color **76.9339, 0.3786, 0.4287** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.7065, 0.2341, 0.2047**, and the grayscale version is **73.3107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5416, 0.3508, 0.3919**, and **41.2745, 0.3905, 0.4513** is the 20% darker color. If you saturate the color by 10%, you get **75.5544, 0.3928, 0.4493**, and if you desaturate by 10%, it is **78.4757, 0.3633, 0.4060**.

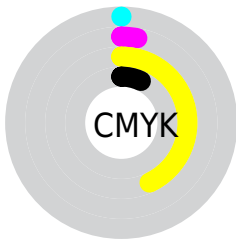
Distribution



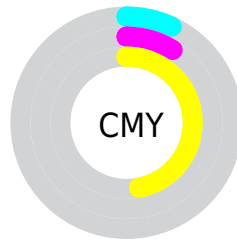
- Red (93%)
- Green (91%)
- Blue (53%)



- Red (56%)
- Yellow (93%)
- Blue (53%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (7%)





- Cyan (7%)
- Magenta (9%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9339, 0.3786, 0.4287 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 76.9339, 0.3786, 0.4287 by changing the saturation by 10% instead.


 76.9339, 0.3786,
0.4287


 76.9339, 0.3786,
0.4287


484.5386, 0.3500,
0.3831

 57.1986, 0.3844,
0.4387


 129.0462, 0.3692,
0.4132

 41.1647, 0.3912,
0.4507


 162.1920, 0.3654,
0.4070

 28.4478, 0.3991,
0.4654


 200.5767, 0.3620,
0.4017

 18.6635, 0.4081,
0.4835

244.5848, 0.3591,
0.3970

 11.4274, 0.4178,
0.5058

294.6006, 0.3564,
0.3929

 6.3551, 0.4304,
0.5375

351.0086, 0.3540,

 3.0622, 0.4326,

0.3893

0.5674

414.1932, 0.3519,
0.3860

■ 1.1643, 0.4110,
0.5890

■ 0.0322, 0.0000,
1.0000

■ 76.9339, 0.3786,
0.4287

■ 76.9339, 0.3786,
0.4287

■ 75.5544, 0.3928,
0.4493

■ 78.4757, 0.3633,
0.4060

■ 74.3167, 0.4053,
0.4670

■ 80.1783, 0.3475,
0.3823


■ 73.2132, 0.4156,
0.4807


■ 82.0534, 0.3318,
0.3583

■ 72.2310, 0.4231,
0.4901

■ 84.1089, 0.3165,
0.3349

 71.3547, 0.4280,
0.4951

 86.3521, 0.3021,
0.3125

 70.7555, 0.4302,
0.4966

 87.2008, 0.3018,
0.3135

 88.0268, 0.3018,
0.3149

 88.8591, 0.3018,
0.3163

 89.6979, 0.3018,
0.3177

Harmonies

Analogous

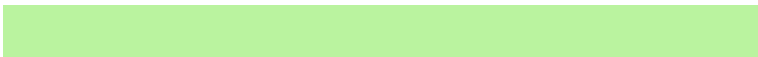
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9339, 0.4163, 0.4007



76.9339, 0.3786, 0.4287



76.9339, 0.3251, 0.4281

Triad

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



76.9339, 0.3786, 0.4287



76.9339, 0.2117, 0.2826



76.9339, 0.3499, 0.2762

Complementary

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



76.9339, 0.3786, 0.4287



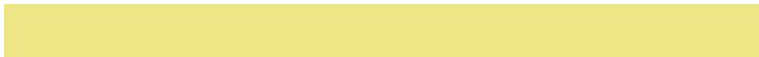
30.7065, 0.2341, 0.2047

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.



76.9339, 0.2920, 0.2494



76.9339, 0.3786, 0.4287



76.9339, 0.2167, 0.2499

Square

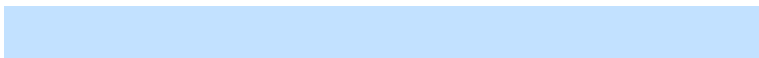
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9339, 0.3786, 0.4287



76.9339, 0.2303, 0.3348



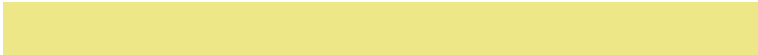
76.9339, 0.2446, 0.2395



76.9339, 0.4007, 0.3149

Rectangle

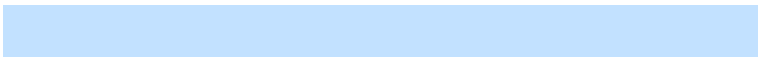
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9339, 0.3786, 0.4287



76.9339, 0.2881, 0.4074



76.9339, 0.2446, 0.2395



76.9339, 0.3304, 0.2656

Sweetspot

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



76.9374, 0.3786, 0.4287



96.8010, 0.3325, 0.3594



37.6022, 0.4165, 0.3217



20.6110, 0.3359, 0.3647



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.



76.9374, 0.3786, 0.4287



89.4487, 0.3909, 0.4466



73.7058, 0.3441, 0.4466



17.4654, 0.3269, 0.3509



38.7068, 0.4300, 0.4968



3.0859, 0.4284, 0.4981

Inverse Universe

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



30.7065, 0.2341, 0.2047



28.2538, 0.2160, 0.1751



33.4159, 0.2670, 0.2081



14.6919, 0.2980, 0.3061



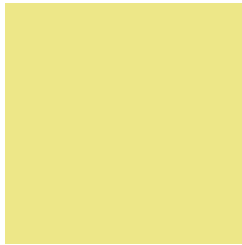
3.5710, 0.1511, 0.0637



0.3309, 0.1539, 0.0738

Previews

White Background



This preview shows how the Yxy color 76.9339, 0.3786, 0.4287 looks on a white background.

Color Contrast Check

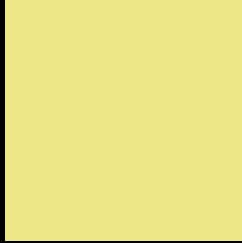
Large Text (above 18pt) WCAG AA × Fail

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 76.9339, 0.3786, 0.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

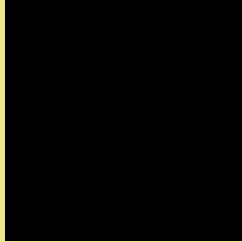
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9339, 0.3786, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 76.9339, 0.3786, 0.4287.



This preview shows how white text looks on a background with the Yxy color 76.9339, 0.3786, 0.4287.

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

76.9339, 0.3786, 0.4287

Protanopia

76.8272, 0.3901, 0.4227

Deuteranopia

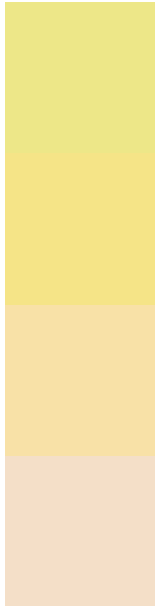
77.0053, 0.3627, 0.3669



Tritanopia

76.6756, 0.3221, 0.3119

Trichromacy



Original Color

76.9339, 0.3786, 0.4287

Protanomaly

76.6486, 0.3866, 0.4247

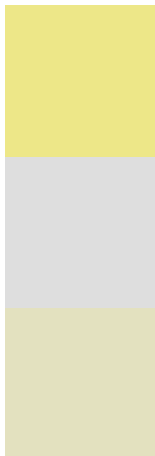
Deuteranomaly

76.5969, 0.3691, 0.3894

Tritanomaly

76.1786, 0.3436, 0.3531

Monochromacy



Original Color

76.9339, 0.3786, 0.4287

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.9429, 0.3368, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9339, 0.3786, 0.4287 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(237, 231, 136)` looks like.

```
.text, #text, p{  
    color:rgb(237, 231, 136)  
}
```

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(237, 231, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 231, 136) }
```

Border

The CSS property to change the border of an element to Yxy 76.9339, 0.3786, 0.4287 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(237, 231, 136) }
```

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

```
.border{ border-color:rgb(237, 231, 136) }
```

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

Here you see how a box with a 4 pixel rgb(237, 231, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 231, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 231, 136);  
box-shadow:4px 4px 4px 4px rgb(237, 231,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9339, 0.3786, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 231, 136) }
```

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

```
.background{ background-color: rgb(237,  
231, 136) }
```

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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