

Converting Colors

$Yxy(76.9805, 0.3727, 0.4657)$

Have a look what the booklet for
Yxy(76.9805, 0.3727, 0.4657)
contains.

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Color

Yxy(76.7438, 0.3729, 0.4656)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D7EE6F |
| RGB | 215, 238, 111 |
| RGB Percent | 84%, 93%, 44% |
| CMY | 0.1570, 0.0666, 0.5646 |
| CMYK | 0.10, 0.00, 0.53, 0.07 |
| HSL | 71°, 79%, 68% |
| HSV | 71°, 53%, 93% |
| XYZ | 61.4643, 76.7438, 26.6197 |
| YIQ | 216.6450, 27.0590, -44.3730 |

Conversions

Conversions Part 2

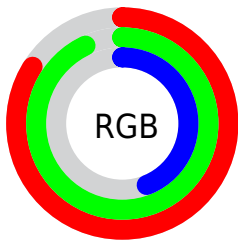
| Format | Color |
|-------------------------------------|--|
| RYB | 111, 238, 134 |
| Decimal | 14151279 |
| CIELab | 90.20, -25.39, 58.05 |
| CIELCh | 90, 63.363, 113.627 |
| Yxy | 76.7438, 0.3729, 0.4656 |
| Android (android.graphics.Color) | 4292341359 (0xFFD7EE6F) |
| YUV | 216.6450, -52.0830, -1.4427 |
| Hunter-Lab | 87.6035, -28.0673, 43.3063 |

Details

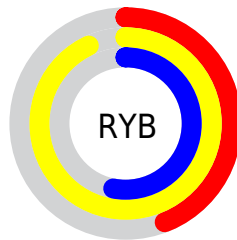
The Yxy color **76.7438, 0.3729, 0.4656** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **22.6223, 0.2257, 0.1649**, and the grayscale version is **69.4828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **41.0204, 0.3816, 0.4959** is the 20% darker color. If you saturate the color by 10%, you get **75.6459, 0.3805, 0.4872**, and if you desaturate by 10%, it is **78.0056, 0.3634, 0.4413**.

Distribution



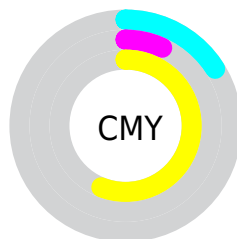
- Red (84%)
- Green (93%)
- Blue (44%)



- Red (44%)
- Yellow (93%)
- Blue (53%)



- Cyan (10%)
- Magenta (0%)
- Yellow (53%)
- Black (7%)





- Cyan (16%)
- Magenta (7%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7438, 0.3729, 0.4656 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 76.7438, 0.3729, 0.4656 by changing the saturation by 10% instead.


 76.7438, 0.3729,
0.4656


 76.7438, 0.3729,
0.4656


483.8901, 0.3489,
0.4022


 57.0426, 0.3771,
0.4795


 128.7778, 0.3656,
0.4439

 41.0395, 0.3814,
0.4963


 161.8793, 0.3624,
0.4354

 28.3499, 0.3857,
0.5165


 200.2165, 0.3595,
0.4280

 18.5896, 0.3889,
0.5412

244.1737, 0.3570,
0.4215

 11.3741, 0.3894,
0.5711

294.1352, 0.3546,
0.4158

 6.3191, 0.3870,
0.6130

350.4855, 0.3525,


 3.0400, 0.3581,


0.4107


0.6419

413.6090, 0.3506,
0.4062


 1.1527, 0.2824,
0.7176


 0.0225, 0.0000,
1.0000


 76.7438, 0.3729,
0.4656


 76.7438, 0.3729,
0.4656


 75.6459, 0.3805,
0.4872


 78.0056, 0.3634,
0.4413


 74.6899, 0.3856,
0.5050


 79.4311, 0.3525,
0.4153


 73.8661, 0.3882,
0.5184

 81.0330, 0.3408,
0.3887


 73.1583, 0.3882,
0.5271


 82.8200, 0.3287,
0.3625

 72.7358, 0.3871,
0.5308

 84.7999, 0.3167,
0.3372

 86.9804, 0.3050,
0.3133

 87.8235, 0.3071,
0.3123

 88.6100, 0.3099,
0.3125

 89.4147, 0.3127,
0.3126

Harmonies

Analogous

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



76.7438, 0.4321, 0.4343



76.7438, 0.3729, 0.4656



76.7438, 0.3012, 0.4518

Triad

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



76.7438, 0.3729, 0.4656



76.7438, 0.1833, 0.2493



76.7438, 0.3867, 0.2764

Complementary

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



76.7438, 0.3729, 0.4656



22.6223, 0.2257, 0.1649

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.



76.7438, 0.3099, 0.2375



76.7438, 0.3729, 0.4656



76.7438, 0.1994, 0.2198

Square

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



76.7438, 0.3729, 0.4656



76.7438, 0.1953, 0.3086



76.7438, 0.2427, 0.2172



76.7438, 0.4450, 0.3273

Rectangle

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



76.7438, 0.3729, 0.4656



76.7438, 0.2561, 0.4132



76.7438, 0.2427, 0.2172



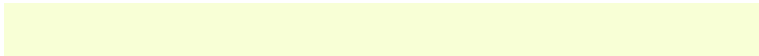
76.7438, 0.3616, 0.2617

Sweetspot

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



76.7473, 0.3729, 0.4656



96.2685, 0.3320, 0.3695



35.8821, 0.4558, 0.3524



20.5118, 0.3345, 0.3749



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.



76.7473, 0.3729, 0.4656



88.3606, 0.3810, 0.4889



69.1107, 0.3293, 0.4878



18.3056, 0.3240, 0.3525



40.6272, 0.3876, 0.5304



3.4171, 0.3920, 0.5269

Inverse Universe

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



22.6223, 0.2257, 0.1649



18.9338, 0.2049, 0.1302



29.2422, 0.2785, 0.1859



15.3666, 0.3008, 0.3048



3.7723, 0.1584, 0.0646



0.3522, 0.1696, 0.0708

Previews

White Background



This preview shows how the Yxy color 76.7438, 0.3729, 0.4656 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 76.7438, 0.3729, 0.4656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

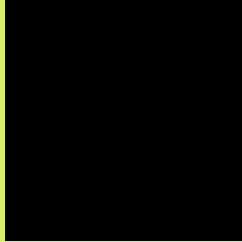
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7438, 0.3729, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 76.7438, 0.3729, 0.4656.



This preview shows how white text looks on a background with the Yxy color 76.7438, 0.3729, 0.4656.

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

76.7438, 0.3729, 0.4656

Protanopia

76.5089, 0.4078, 0.4464

Deuteranopia

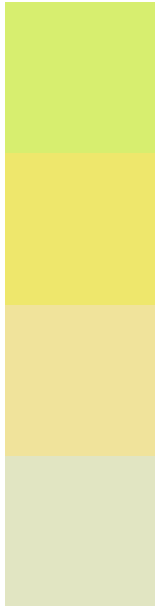
76.2682, 0.3665, 0.3711



Tritanopia

76.5451, 0.3053, 0.3103

Trichromacy



Original Color

76.7438, 0.3729, 0.4656

Protanomaly

76.4117, 0.3952, 0.4538

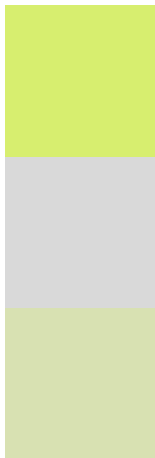
Deuteranomaly

75.8300, 0.3704, 0.4052

Tritanomaly

75.9412, 0.3327, 0.3672

Monochromacy



Original Color

76.7438, 0.3729, 0.4656

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

71.6637, 0.3374, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7438, 0.3729, 0.4656 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(215, 238, 111)` looks like.

```
.text, #text, p{  
    color:rgb(215, 238, 111)  
}
```

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(215, 238, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 238, 111) }
```

Border

The CSS property to change the border of an element to Yxy 76.7438, 0.3729, 0.4656 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(215, 238, 111) }
```

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

```
.border{ border-color:rgb(215, 238, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 238, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 238, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 238, 111);  
box-shadow:4px 4px 4px 4px rgb(215, 238,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7438, 0.3729, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 238, 111) }
```

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

```
.background{ background-color: rgb(215,  
238, 111) }
```

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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