

Converting Colors

$Yxy(77.0349, 0.3913, 0.4892)$

Have a look what the booklet for
Yxy(77.0349, 0.3913, 0.4892)
contains.

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Color

Yxy(76.9148, 0.3910, 0.4893)

Conversions

Conversions Part 1

Format	Color
Hex	DCEE4E
RGB	220, 238, 78
RGB Percent	86%, 93%, 31%
CMY	0.1373, 0.0666, 0.6941
CMYK	0.08, 0.00, 0.67, 0.07
HSL	67°, 82%, 62%
HSV	67°, 67%, 93%
XYZ	61.4627, 76.9148, 18.8161
YIQ	214.3780, 40.6320, -53.5760

Conversions

Conversions Part 2

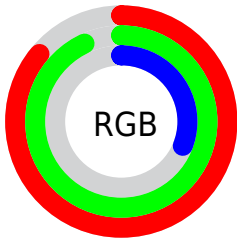
Format	Color
RYB	78, 238, 96
Decimal	14478926
CIELab	90.28, -25.74, 71.85
CIELCh	90, 76.316, 109.710
Yxy	76.9148, 0.3910, 0.4893
Android (android.graphics.Color)	4292669006 (0xFFDCEE4E)
YUV	214.3780, -67.2344, 4.9305
Hunter-Lab	87.7011, -28.3805, 48.6702

Details

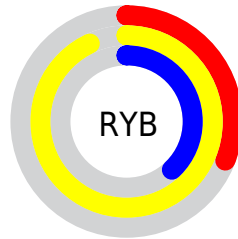
The Yxy color **76.9148, 0.3910, 0.4893** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **14.1131, 0.1923, 0.1181**, and the grayscale version is **67.9566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **41.0330, 0.3992, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **76.2215, 0.3964, 0.5040**, and if you desaturate by 10%, it is **77.7453, 0.3831, 0.4705**.

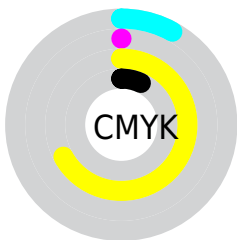
Distribution



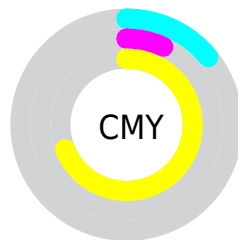
- Red (86%)
- Green (93%)
- Blue (31%)



- Red (31%)
- Yellow (93%)
- Blue (38%)



- Cyan (8%)
- Magenta (0%)
- Yellow (67%)
- Black (7%)




- Cyan (14%)
- Magenta (7%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9148, 0.3910, 0.4893 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 76.9148, 0.3910, 0.4893 by changing the saturation by 10% instead.


 76.9148, 0.3910,
0.4893


 76.9148, 0.3910,
0.4893


484.4735, 0.3612,
0.4169

 57.1830, 0.3955,
0.5043


 129.0192, 0.3824,
0.4652

 41.1521, 0.3998,
0.5217


 162.1606, 0.3785,
0.4555


 28.4380, 0.4032,
0.5417


 200.5405, 0.3750,
0.4470

 18.6561, 0.4041,
0.5644

 244.5435, 0.3717,
0.4395

 11.4220, 0.4044,
0.5956

 294.5539, 0.3687,
0.4329

 6.3515, 0.3858,
0.6142


350.9561, 0.3660,


 3.0599, 0.3566,

0.4270


0.6434


414.1345, 0.3635,
0.4217

 1.1631, 0.2806,
0.7194

 0.0313, 0.0000,
1.0000


 76.9148, 0.3910,
0.4893


 76.9148, 0.3910,
0.4893

 76.2215, 0.3964,
0.5040


 77.7453, 0.3831,
0.4705


 75.6407, 0.3992,
0.5141


 78.7145, 0.3730,
0.4484


 75.1578, 0.3995,
0.5199


 79.8365, 0.3613,
0.4240


 75.0329, 0.3993,
0.5211

 81.1207, 0.3486,
0.3983

 82.5760, 0.3354,
0.3723

 84.2104, 0.3221,
0.3468

 86.0315, 0.3092,
0.3224

 87.1515, 0.3047,
0.3122

 87.6279, 0.3064,
0.3123

Harmonies

Analogous

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



76.9148, 0.4589, 0.4421



76.9148, 0.3910, 0.4893



76.9148, 0.3074, 0.4861

Triad

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



76.9148, 0.3910, 0.4893



76.9148, 0.1621, 0.2400



76.9148, 0.3894, 0.2598

Complementary

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



76.9148, 0.3910, 0.4893



14.1131, 0.1923, 0.1181

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.



76.9148, 0.2966, 0.2180



76.9148, 0.3910, 0.4893



76.9148, 0.1765, 0.2033

Square

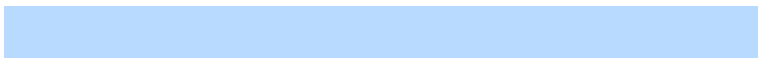
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9148, 0.3910, 0.4893



76.9148, 0.1789, 0.3140



76.9148, 0.2214, 0.1977



76.9148, 0.4652, 0.3162

Rectangle

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



76.9148, 0.3910, 0.4893



76.9148, 0.2534, 0.4439



76.9148, 0.2214, 0.1977



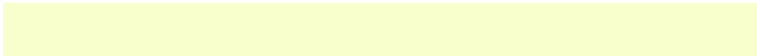
76.9148, 0.3582, 0.2438

Sweetspot

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



76.9183, 0.3910, 0.4893



96.0664, 0.3392, 0.3797



26.7368, 0.5237, 0.3445



20.4585, 0.3429, 0.3870



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.



76.9183, 0.3910, 0.4893



88.8488, 0.3979, 0.5086



67.4564, 0.3354, 0.5248



18.3634, 0.3251, 0.3524



41.8932, 0.3997, 0.5209



3.5106, 0.4024, 0.5187

Inverse Universe

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



14.1131, 0.1923, 0.1181



10.7377, 0.1701, 0.0839



20.6244, 0.2558, 0.1481



15.3140, 0.2997, 0.3047



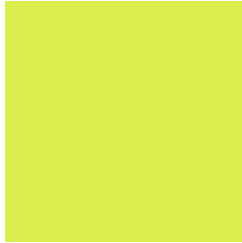
3.5999, 0.1540, 0.0622



0.3273, 0.1624, 0.0668

Previews

White Background



This preview shows how the Yxy color 76.9148, 0.3910, 0.4893 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 76.9148, 0.3910, 0.4893 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 76.9148, 0.3910, 0.4893

Background



This preview shows how black text looks on a background with the Yxy color 76.9148, 0.3910, 0.4893.



This preview shows how white text looks on a background with the Yxy color 76.9148, 0.3910, 0.4893.

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

76.9148, 0.3910, 0.4893

Protanopia

76.5170, 0.4248, 0.4669

Deuteranopia

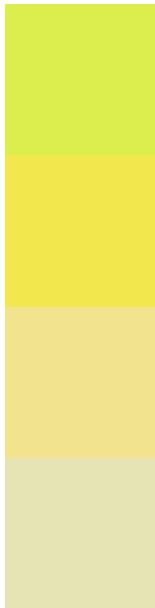
76.7169, 0.3677, 0.3741



Tritanopia

76.3667, 0.3108, 0.3105

Trichromacy



Original Color

76.9148, 0.3910, 0.4893

Protanomaly

76.5509, 0.4126, 0.4750

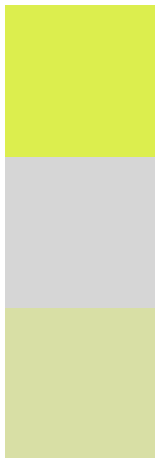
Deuteranomaly

76.3170, 0.3800, 0.4188

Tritanomaly

75.6460, 0.3452, 0.3800

Monochromacy



Original Color

76.9148, 0.3910, 0.4893

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

70.0909, 0.3465, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9148, 0.3910, 0.4893 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(220, 238, 78)` looks like.

```
.text, #text, p{  
    color:rgb(220, 238, 78)  
}
```

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(220, 238, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 238, 78) }
```

Border

The CSS property to change the border of an element to Yxy 76.9148, 0.3910, 0.4893 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(220, 238, 78) }
```

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

```
.border{ border-color:rgb(220, 238, 78) }
```

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

Here you see how a box with a 4 pixel rgb(220, 238, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 238, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 238, 78);  
box-shadow:4px 4px 4px 4px rgb(220, 238,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9148, 0.3910, 0.4893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 238, 78) }
```

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

```
.background{ background-color: rgb(220,  
238, 78) }
```

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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