

Converting Colors

Yxy(76.4729, 0.3824, 0.4614)

Have a look what the booklet for
Yxy(76.4729, 0.3824, 0.4614)
contains.

Yxy(76.5283, 0.3828, 0.4612)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.5283, 0.3828, 0.4612)

Conversions

Conversions Part 1

Format	Color
Hex	E1EB6D
RGB	225, 235, 109
RGB Percent	88%, 92%, 43%
CMY	0.1176, 0.0784, 0.5726
CMYK	0.04, 0.00, 0.54, 0.08
HSL	65°, 76%, 67%
HSV	65°, 54%, 92%
XYZ	63.5192, 76.5283, 25.8855
YIQ	217.6460, 34.4860, -41.3060

Conversions

Conversions Part 2

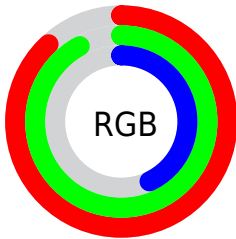
Format	Color
RYB	109, 235, 119
Decimal	14805869
CIELab	90.10, -20.20, 59.04
CIElCh	90, 62.401, 108.888
Yxy	76.5283, 0.3828, 0.4612
Android (android.graphics.Color)	4292995949 (0xFFE1EB6D)
YUV	217.6460, -53.5625, 6.4495
Hunter-Lab	87.4805, -23.4828, 43.6924

Details

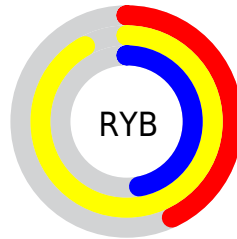
The Yxy color **76.5283, 0.3828, 0.4612** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.8531, 0.2158, 0.1603**, and the grayscale version is **70.2132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **40.7315, 0.3934, 0.4894** is the 20% darker color. If you saturate the color by 10%, you get **75.7933, 0.3921, 0.4806**, and if you desaturate by 10%, it is **77.4088, 0.3715, 0.4387**.

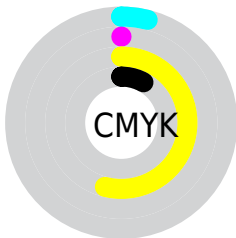
Distribution



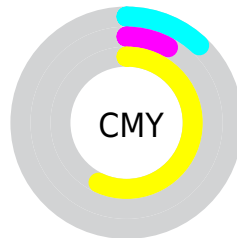
- Red (88%)
- Green (92%)
- Blue (43%)



- Red (43%)
- Yellow (92%)
- Blue (47%)



- Cyan (4%)
- Magenta (0%)
- Yellow (54%)
- Black (8%)





- Cyan (12%)
- Magenta (8%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5283, 0.3828, 0.4612 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 76.5283, 0.3828, 0.4612 by changing the saturation by 10% instead.


 76.5283, 0.3828,
0.4612

 76.5283, 0.3828,
0.4612


483.1542, 0.3541,
0.4006


 56.8658, 0.3880,
0.4743


 128.4734, 0.3739,
0.4407

 40.8975, 0.3936,
0.4898


 161.5248, 0.3701,
0.4325

 28.2390, 0.3994,
0.5085


 199.8080, 0.3667,
0.4254

 18.5059, 0.4046,
0.5307

 243.7074, 0.3636,
0.4192

 11.3138, 0.4078,
0.5574

293.6073, 0.3609,
0.4137

 6.2783, 0.4080,
0.5920


349.8921, 0.3584,


 3.0150, 0.3851,

0.4089


0.6149


412.9463, 0.3562,
0.4045


 1.1396, 0.3334,
0.6666


 0.0115, 0.0000,
1.0000


 76.5283, 0.3828,
0.4612


 76.5283, 0.3828,
0.4612


 75.7933, 0.3921,
0.4806


 77.4088, 0.3715,
0.4387


 75.1824, 0.3991,
0.4961

 78.4342, 0.3587,
0.4142

 74.6861, 0.4034,
0.5072

 79.6169, 0.3452,
0.3886


 74.2889, 0.4052,
0.5139


 80.9651, 0.3313,
0.3629

 74.0723, 0.4053,
0.5164

 82.4865, 0.3176,
0.3378

 84.1882, 0.3043,
0.3139

 84.8284, 0.3025,
0.3091

 85.1532, 0.3038,
0.3091

 85.4813, 0.3050,
0.3092

Harmonies

Analogous

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



76.5283, 0.4376, 0.4259



76.5283, 0.3828, 0.4612



76.5283, 0.3128, 0.4556

Triad

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



76.5283, 0.3828, 0.4612



76.5283, 0.1848, 0.2578



76.5283, 0.3741, 0.2700

Complementary

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



76.5283, 0.3828, 0.4612



20.8531, 0.2158, 0.1603

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.



76.5283, 0.2983, 0.2340



76.5283, 0.3828, 0.4612



76.5283, 0.1965, 0.2239

Square

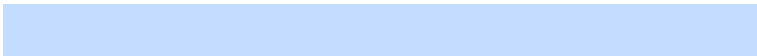
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5283, 0.3828, 0.4612



76.5283, 0.2013, 0.3207



76.5283, 0.2351, 0.2173



76.5283, 0.4365, 0.3190

Rectangle

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



76.5283, 0.3828, 0.4612



76.5283, 0.2670, 0.4226



76.5283, 0.2351, 0.2173



76.5283, 0.3488, 0.2562

Sweetspot

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



76.5318, 0.3828, 0.4612



97.0360, 0.3347, 0.3692



31.5792, 0.4656, 0.3386



20.6965, 0.3376, 0.3745



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.



76.5318, 0.3828, 0.4612



91.1738, 0.3927, 0.4818



68.3735, 0.3377, 0.4842



17.5626, 0.3256, 0.3524



41.2482, 0.4055, 0.5162



3.2570, 0.4075, 0.5146

Inverse Universe

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



20.8531, 0.2158, 0.1603



17.8283, 0.1947, 0.1255



26.6829, 0.2665, 0.1806



14.6061, 0.2992, 0.3047



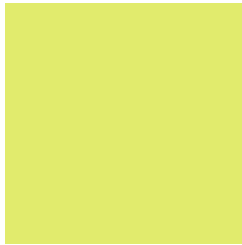
3.4346, 0.1526, 0.0614



0.2896, 0.1592, 0.0650

Previews

White Background



This preview shows how the Yxy color 76.5283, 0.3828, 0.4612 looks on a white background.

Color Contrast Check

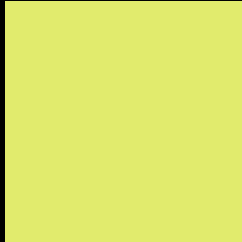
Large Text (above 18pt) WCAG AA × Fail

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 76.5283, 0.3828, 0.4612 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 76.5283, 0.3828, 0.4612

Background



This preview shows how black text looks on a background with the Yxy color 76.5283, 0.3828, 0.4612.



This preview shows how white text looks on a background with the Yxy color 76.5283, 0.3828, 0.4612.

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

76.5283, 0.3828, 0.4612

Protanopia

76.4880, 0.4084, 0.4471

Deuteranopia

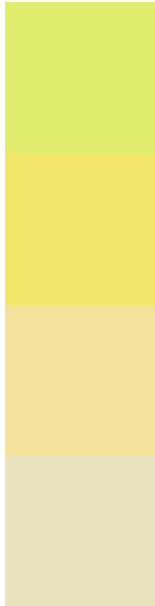
76.2276, 0.3672, 0.3721



Tritanopia

76.2367, 0.3142, 0.3116

Trichromacy



Original Color

76.5283, 0.3828, 0.4612

Protanomaly

76.5324, 0.3993, 0.4523

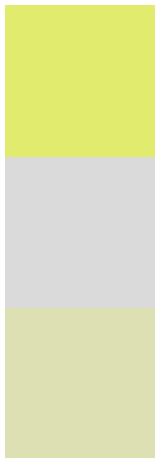
Deuteranomaly

75.9589, 0.3745, 0.4044

Tritanomaly

75.6467, 0.3418, 0.3666

Monochromacy



Original Color

76.5283, 0.3828, 0.4612

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.8978, 0.3413, 0.3804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5283, 0.3828, 0.4612 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(225, 235, 109)` looks like.

```
.text, #text, p{  
    color:rgb(225, 235, 109)  
}
```

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(225, 235, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 235, 109) }
```

Border

The CSS property to change the border of an element to Yxy 76.5283, 0.3828, 0.4612 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(225, 235, 109) }
```

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

```
.border{ border-color:rgb(225, 235, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 235, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 235, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 235, 109);  
box-shadow:4px 4px 4px 4px rgb(225, 235,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5283, 0.3828, 0.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 235, 109) }
```

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

```
.background{ background-color: rgb(225,  
235, 109) }
```

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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