

Converting Colors

Yxy(78.4891, 0.4011, 0.4914)

Have a look what the booklet for
Yxy(78.4891, 0.4011, 0.4914)
contains.

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Color

Yxy(78.2244, 0.4012, 0.4909)

Conversions

Conversions Part 1

Format	Color
Hex	E5EE44
RGB	229, 238, 68
RGB Percent	90%, 93%, 27%
CMY	0.1020, 0.0666, 0.7334
CMYK	0.04, 0.00, 0.71, 0.07
HSL	63°, 83%, 60%
HSV	63°, 71%, 93%
XYZ	63.9308, 78.2244, 17.1938
YIQ	215.9290, 49.2060, -54.7780

Conversions

Conversions Part 2

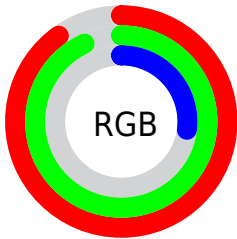
Format	Color
RYB	68, 238, 77
Decimal	15068740
CIELab	90.88, -22.61, 76.18
CIELCh	91, 79.463, 106.533
Yxy	78.2244, 0.4012, 0.4909
Android (android.graphics.Color)	4293258820 (0xFFE5EE44)
YUV	215.9290, -72.9290, 11.4633
Hunter-Lab	88.4446, -25.7520, 50.3851

Details

The Yxy color **78.2244, 0.4012, 0.4909** 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 **11.8822, 0.1795, 0.1037**, and the grayscale version is **69.1004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **42.0019, 0.4079, 0.5144** is the 20% darker color. If you saturate the color by 10%, you get **77.7875, 0.4066, 0.5024**, and if you desaturate by 10%, it is **78.7879, 0.3932, 0.4751**.

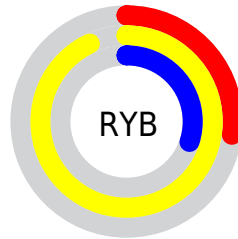
Distribution



Red (90%)

Green (93%)

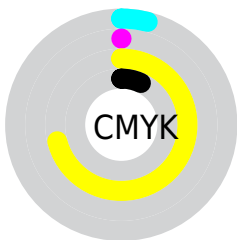
Blue (27%)



Red (27%)

Yellow (93%)

Blue (30%)

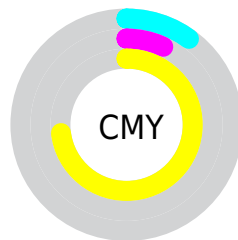


Cyan (4%)

Magenta (0%)

Yellow (71%)

Black (7%)



Cyan (10%)

Magenta (7%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2244, 0.4012, 0.4909 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 78.2244, 0.4012, 0.4909 by changing the saturation by 10% instead.


 78.2244, 0.4012,
0.4909


 78.2244, 0.4012,
0.4909


488.9286, 0.3676,
0.4194

 58.2583, 0.4063,
0.5052


 130.8664, 0.3915,
0.4675


 42.0164, 0.4112,
0.5214


 164.3111, 0.3871,
0.4580

 29.1141, 0.4150,
0.5398


 203.0175, 0.3831,
0.4496

 19.1672, 0.4165,
0.5599

 247.3700, 0.3794,
0.4421

 11.7911, 0.4155,
0.5845

 297.7530, 0.3761,
0.4355

 6.6016, 0.3997,
0.6003


354.5508, 0.3730,


 3.2142, 0.3749,


0.4295

0.6251


418.1479, 0.3702,
0.4242


 1.2446, 0.3227,
0.6773


 0.0977, 0.0000,
1.0000


 78.2244, 0.4012,
0.4909


 78.2244, 0.4012,
0.4909


 77.7875, 0.4066,
0.5024


 78.7879, 0.3932,
0.4751

 77.4511, 0.4093,
0.5095

 79.4799, 0.3829,
0.4554

 77.2248, 0.4100,
0.5127

 80.3150, 0.3708,
0.4328

 81.3033, 0.3573,
0.4083

■ 82.4537, 0.3431,
0.3828

■ 83.7746, 0.3288,
0.3573

■ 85.2736, 0.3147,
0.3325

■ 86.7383, 0.3032,
0.3121

■ 86.9586, 0.3040,
0.3122

Harmonies

Analogous

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



78.2244, 0.4686, 0.4381



78.2244, 0.4012, 0.4909



78.2244, 0.3158, 0.4962

Triad

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



78.2244, 0.4012, 0.4909



78.2244, 0.1581, 0.2430



78.2244, 0.3818, 0.2522

Complementary

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



78.2244, 0.4012, 0.4909



11.8822, 0.1795, 0.1037

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.



78.2244, 0.2864, 0.2115



78.2244, 0.4012, 0.4909



78.2244, 0.1697, 0.2019

Square

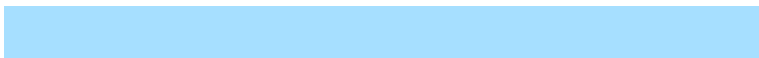
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2244, 0.4012, 0.4909



78.2244, 0.1786, 0.3233



78.2244, 0.2122, 0.1934



78.2244, 0.4643, 0.3087

Rectangle

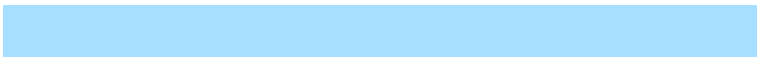
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2244, 0.4012, 0.4909



78.2244, 0.2594, 0.4575



78.2244, 0.2122, 0.1934



78.2244, 0.3493, 0.2365

Sweetspot

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



78.2280, 0.4012, 0.4909



96.4843, 0.3426, 0.3819



23.8306, 0.5500, 0.3367



20.5672, 0.3466, 0.3890



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.



78.2280, 0.4012, 0.4909



90.7689, 0.4082, 0.5064



67.5434, 0.3403, 0.5319



18.4139, 0.3260, 0.3524



43.0995, 0.4101, 0.5126



3.5984, 0.4114, 0.5115

Inverse Universe

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



11.8822, 0.1795, 0.1037



9.0755, 0.1598, 0.0730



17.9336, 0.2430, 0.1350



15.2687, 0.2988, 0.3046



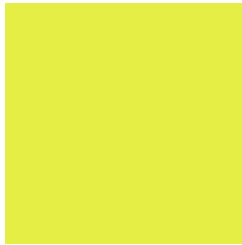
3.5067, 0.1516, 0.0609



0.3057, 0.1559, 0.0633

Previews

White Background



This preview shows how the Yxy color 78.2244, 0.4012, 0.4909 looks on a white background.

Color Contrast Check

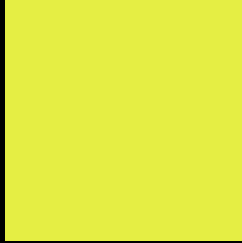
Large Text (above 18pt) WCAG AA × Fail

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 78.2244, 0.4012, 0.4909 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 78.2244, 0.4012, 0.4909

Background



This preview shows how black text looks on a background with the Yxy color 78.2244, 0.4012, 0.4909.



This preview shows how white text looks on a background with the Yxy color 78.2244, 0.4012, 0.4909.

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

78.2244, 0.4012, 0.4909

Protanopia

77.9545, 0.4201, 0.4619

Deuteranopia

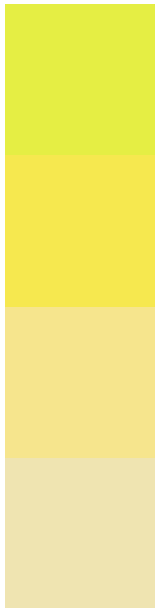
77.9902, 0.3636, 0.3709



Tritanopia

77.9463, 0.3171, 0.3109

Trichromacy



Original Color

78.2244, 0.4012, 0.4909

Protanomaly

77.8706, 0.4138, 0.4720

Deuteranomaly

77.5545, 0.3832, 0.4196

Tritanomaly

77.0119, 0.3546, 0.3832

Monochromacy



Original Color

78.2244, 0.4012, 0.4909

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

71.2921, 0.3521, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2244, 0.4012, 0.4909 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(229, 238, 68)` looks like.

```
.text, #text, p{  
    color:rgb(229, 238, 68)  
}
```

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(229, 238, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 238, 68) }
```

Border

The CSS property to change the border of an element to Yxy 78.2244, 0.4012, 0.4909 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(229, 238, 68) }
```

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

```
.border{ border-color:rgb(229, 238, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 238, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 238, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 238, 68);  
box-shadow:4px 4px 4px 4px rgb(229, 238,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2244, 0.4012, 0.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 238, 68) }
```

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

```
.background{ background-color: rgb(229,  
238, 68) }
```

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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