

Converting Colors

$Y_{xy}(100.0000, 0.3750, 0.4824)$

Have a look what the booklet for
Yxy(100.0000, 0.3750, 0.4824)
contains.

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Color

Yxy(90.2863, 0.3808, 0.4724)

Conversions

Conversions Part 1

Format	Color
Hex	EBFF6D
RGB	235, 255, 109
RGB Percent	92%, 100%, 43%
CMY	0.0785, 0.0000, 0.5726
CMYK	0.08, 0.00, 0.57, 0.00
HSL	68°, 100%, 71%
HSV	68°, 57%, 100%
XYZ	72.7795, 90.2863, 28.0568
YIQ	232.3760, 34.9460, -49.6460

Conversions

Conversions Part 2

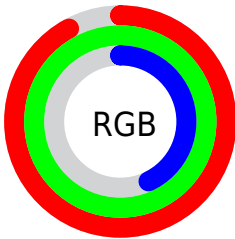
Format	Color
RYB	109, 255, 129
Decimal	15466349
CIELab	96.12, -25.82, 66.03
CIELCh	96, 70.903, 111.359
Yxy	90.2863, 0.3808, 0.4724
Android (android.graphics.Color)	4293656429 (0xFFEBFF6D)
YUV	232.3760, -60.8244, 2.3012
Hunter-Lab	95.0191, -29.5621, 49.0065

Details

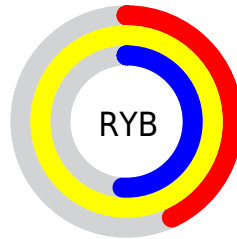
The Yxy color **90.2863, 0.3808, 0.4724** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.8238, 0.2133, 0.1495**, and the grayscale version is **81.4353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4966, 0.3661, 0.4172**, and **49.8662, 0.3895, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **89.2244, 0.3882, 0.4917**, and if you desaturate by 10%, it is **91.5168, 0.3712, 0.4498**.

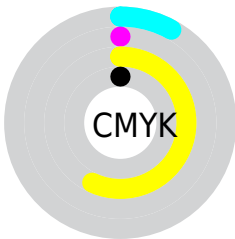
Distribution



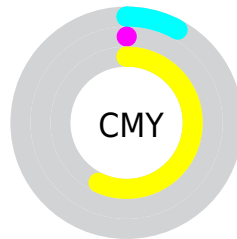
- Red (92%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (51%)



- Cyan (8%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2863, 0.3808, 0.4724 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 90.2863, 0.3808, 0.4724 by changing the saturation by 10% instead.


 90.2863, 0.3808,
0.4724

 90.2863, 0.3808,
0.4724


528.9617, 0.3547,
0.4085

 68.2181, 0.3851,
0.4858

 147.7360, 0.3730,
0.4511

 50.0752, 0.3896,
0.5015


 183.8863, 0.3696,
0.4425

 35.4732, 0.3939,
0.5201


 225.4995, 0.3665,
0.4350

 24.0276, 0.3971,
0.5420

272.9599, 0.3637,
0.4284

 15.3541, 0.3978,
0.5674

326.6519, 0.3612,
0.4226

 9.0683, 0.3972,
0.6028

386.9600, 0.3588,

 4.7857, 0.3749,

0.4174

0.6251

454.2685, 0.3567,
0.4127

■ 2.1221, 0.3385,
0.6615

■ 0.6770, 0.0190,
0.9810

■ 90.2863, 0.3808,
0.4724

■ 90.2863, 0.3808,
0.4724

■ 89.2244, 0.3882,
0.4917

■ 91.5168, 0.3712,
0.4498

■ 88.3203, 0.3932,
0.5068

■ 92.9320, 0.3599,
0.4249

■ 87.5561, 0.3954,
0.5173

■ 94.5420, 0.3476,
0.3989

■ 86.9102, 0.3952,
0.5234

■ 96.3572, 0.3348,
0.3726

 86.7448, 0.3949,
0.5246

 98.3873, 0.3219,
0.3469

100.0000, 0.3127,
0.3290

Harmonies

Analogous

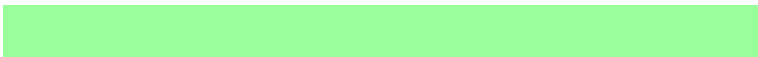
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2863, 0.4418, 0.4354



90.2863, 0.3808, 0.4724



90.2863, 0.3056, 0.4633

Triad

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



90.2863, 0.3808, 0.4724



90.2863, 0.1767, 0.2481



90.2863, 0.3851, 0.2698

Complementary

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



90.2863, 0.3808, 0.4724



22.8238, 0.2133, 0.1495

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.



90.2863, 0.3034, 0.2305



90.2863, 0.3808, 0.4724



90.2863, 0.1914, 0.2153

Square

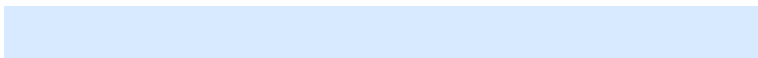
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.2863, 0.3808, 0.4724



90.2863, 0.1913, 0.3127



90.2863, 0.2344, 0.2110



90.2863, 0.4497, 0.3222

Rectangle

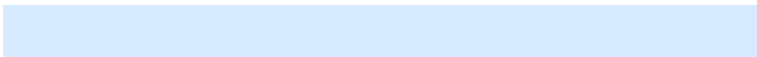
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.2863, 0.3808, 0.4724



90.2863, 0.2575, 0.4245



90.2863, 0.2344, 0.2110



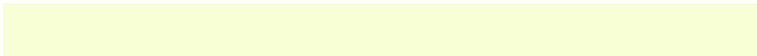
90.2863, 0.3580, 0.2549

Sweetspot

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



90.2851, 0.3808, 0.4724



96.4066, 0.3345, 0.3720



37.9235, 0.4761, 0.3487



20.5531, 0.3371, 0.3772



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.



90.2851, 0.3808, 0.4724



89.0559, 0.3893, 0.4946



80.3611, 0.3324, 0.4990



20.9571, 0.3248, 0.3526



45.3748, 0.3953, 0.5243



4.4513, 0.3982, 0.5220

Inverse Universe

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



22.8238, 0.2133, 0.1495



15.7122, 0.1912, 0.1135



30.6385, 0.2706, 0.1737



17.4971, 0.3000, 0.3046



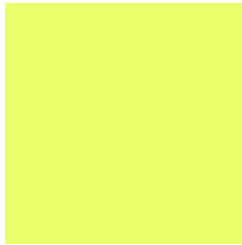
3.9949, 0.1552, 0.0629



0.4237, 0.1633, 0.0673

Previews

White Background



This preview shows how the Yxy color 90.2863, 0.3808, 0.4724 looks on a white background.

Color Contrast Check

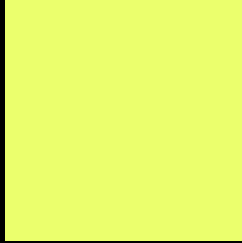
Large Text (above 18pt) WCAG AA × Fail

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 90.2863, 0.3808, 0.4724 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 90.2863, 0.3808, 0.4724

Background



This preview shows how black text looks on a background with the Yxy color 90.2863, 0.3808, 0.4724.

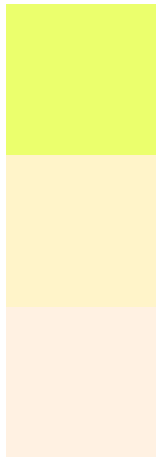


This preview shows how white text looks on a background with the Yxy color 90.2863, 0.3808, 0.4724.

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

90.2863, 0.3808, 0.4724

Protanopia

90.1784, 0.3469, 0.3718

Deuteranopia

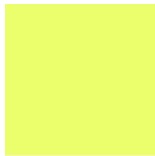
89.6616, 0.3314, 0.3438



Tritanopia

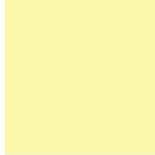
89.6799, 0.3095, 0.3144

Trichromacy



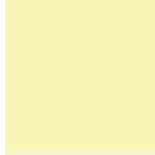
Original Color

90.2863, 0.3808, 0.4724



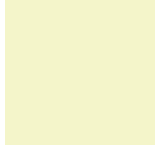
Protanomaly

89.9184, 0.3615, 0.4097



Deuteranomaly

89.2869, 0.3529, 0.3928



Tritanomaly

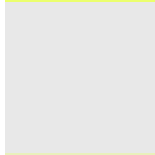
88.8022, 0.3385, 0.3728

Monochromacy



Original Color

90.2863, 0.3808, 0.4724



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.2317, 0.3411, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2863, 0.3808, 0.4724 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(235, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 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(235, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 90.2863, 0.3808, 0.4724 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(235, 255, 109) }
```

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

```
.border{ border-color:rgb(235, 255, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2863, 0.3808, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 109) }
```

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

```
.background{ background-color: rgb(235,  
255, 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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