

Converting Colors

$Yxy(90.3312, 0.3845, 0.4772)$

Have a look what the booklet for
Yxy(90.3312, 0.3845, 0.4772)
contains.

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Color

Yxy(90.3122, 0.3845, 0.4773)

Conversions

Conversions Part 1

Format	Color
Hex	ECFF66
RGB	236, 255, 102
RGB Percent	93%, 100%, 40%
CMY	0.0744, 0.0000, 0.6003
CMYK	0.07, 0.00, 0.60, 0.00
HSL	67°, 100%, 70%
HSV	67°, 60%, 100%
XYZ	72.7531, 90.3122, 26.1495
YIQ	231.8770, 37.7890, -51.6110

Conversions

Conversions Part 2

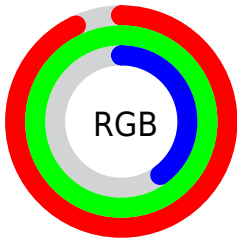
Format	Color
RYB	102, 255, 121
Decimal	15531878
CIELab	96.13, -25.93, 69.00
CIELCh	96, 73.713, 110.592
Yxy	90.3122, 0.3845, 0.4773
Android (android.graphics.Color)	4293721958 (0xFFECCFF66)
YUV	231.8770, -64.0294, 3.6159
Hunter-Lab	95.0327, -29.6552, 50.2085

Details

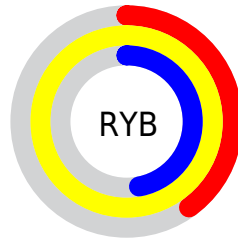
The Yxy color **90.3122, 0.3845, 0.4773** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.7683, 0.2066, 0.1399**, and the grayscale version is **81.0651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **49.9097, 0.3933, 0.5065** is the 20% darker color. If you saturate the color by 10%, you get **89.3480, 0.3915, 0.4952**, and if you desaturate by 10%, it is **91.4463, 0.3752, 0.4558**.

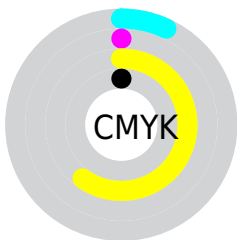
Distribution



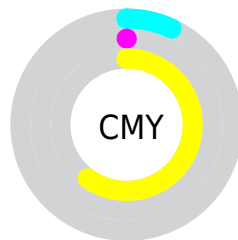
- Red (93%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (47%)



- Cyan (7%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3122, 0.3845, 0.4773 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 90.3122, 0.3845, 0.4773 by changing the saturation by 10% instead.

 90.3122, 0.3845,
0.4773


 90.3122, 0.3845,
0.4773


529.0459, 0.3573,
0.4116

 68.2396, 0.3889,
0.4909


 147.7720, 0.3765,
0.4555


 50.0927, 0.3934,
0.5068


 183.9280, 0.3729,
0.4467

 35.4871, 0.3975,
0.5254


 225.5472, 0.3697,
0.4390

 24.0383, 0.4004,
0.5471

 273.0141, 0.3668,
0.4322

 15.3620, 0.4006,
0.5720

326.7130, 0.3641,
0.4262

 9.0739, 0.3968,
0.6032

387.0283, 0.3616,

 4.7894, 0.3745,

0.4208

0.6255

454.3445, 0.3594,
0.4159

■ 2.1242, 0.3379,
0.6621

■ 0.6782, 0.0170,
0.9830

■ 90.3122, 0.3845,
0.4773

■ 90.3122, 0.3845,
0.4773

■ 89.3480, 0.3915,
0.4952

■ 91.4463, 0.3752,
0.4558

■ 88.5316, 0.3959,
0.5088

■ 92.7561, 0.3641,
0.4317

■ 87.8478, 0.3977,
0.5178

■ 94.2556, 0.3518,
0.4060

■ 87.2690, 0.3972,
0.5228

■ 95.9553, 0.3388,
0.3798

 97.8652, 0.3257,
0.3539

99.9942, 0.3127,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

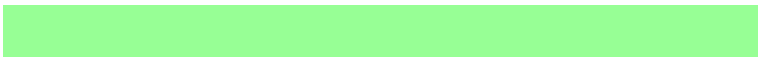
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3122, 0.4473, 0.4371



90.3122, 0.3845, 0.4773



90.3122, 0.3068, 0.4702

Triad

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



90.3122, 0.3845, 0.4773



90.3122, 0.1724, 0.2461



90.3122, 0.3857, 0.2665

Complementary

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



90.3122, 0.3845, 0.4773



20.7683, 0.2066, 0.1399

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.



90.3122, 0.3008, 0.2266



90.3122, 0.3845, 0.4773



90.3122, 0.1867, 0.2119

Square

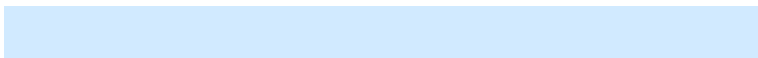
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.3122, 0.3845, 0.4773



90.3122, 0.1879, 0.3138



90.3122, 0.2301, 0.2069



90.3122, 0.4539, 0.3200

Rectangle

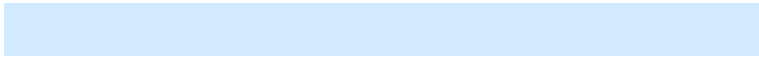
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.3122, 0.3845, 0.4773



90.3122, 0.2569, 0.4307



90.3122, 0.2301, 0.2069



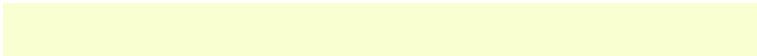
90.3122, 0.3574, 0.2513

Sweetspot

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



90.3146, 0.3845, 0.4773



96.3250, 0.3361, 0.3745



35.6009, 0.4900, 0.3467



20.5044, 0.3400, 0.3821



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.



90.3146, 0.3845, 0.4773



89.1754, 0.3926, 0.4982



80.0145, 0.3340, 0.5064



20.9698, 0.3250, 0.3526



45.6449, 0.3976, 0.5225



4.4750, 0.4002, 0.5204

Inverse Universe

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



20.7683, 0.2066, 0.1399



14.1659, 0.1847, 0.1048



28.4891, 0.2656, 0.1658



17.4856, 0.2998, 0.3045



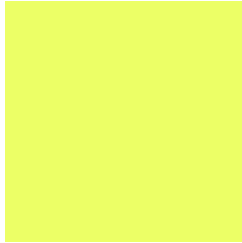
3.9633, 0.1545, 0.0625



0.4183, 0.1621, 0.0667

Previews

White Background



This preview shows how the Yxy color 90.3122, 0.3845, 0.4773 looks on a white background.

Color Contrast Check

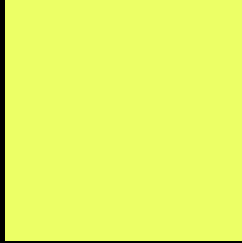
Large Text (above 18pt) WCAG AA × Fail

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 90.3122, 0.3845, 0.4773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

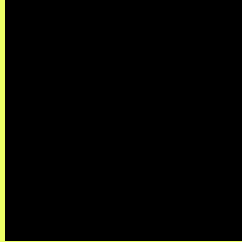
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.3122, 0.3845, 0.4773

Background



This preview shows how black text looks on a background with the Yxy color 90.3122, 0.3845, 0.4773.

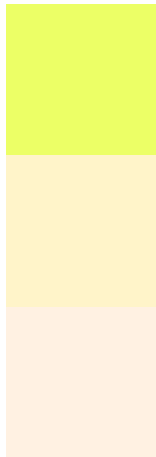


This preview shows how white text looks on a background with the Yxy color 90.3122, 0.3845, 0.4773.

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

90.3122, 0.3845, 0.4773

Protanopia

90.1784, 0.3469, 0.3718

Deuteranopia

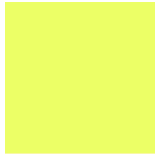
89.6616, 0.3314, 0.3438



Tritanopia

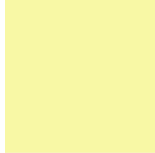
90.0494, 0.3108, 0.3145

Trichromacy



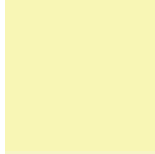
Original Color

90.3122, 0.3845, 0.4773



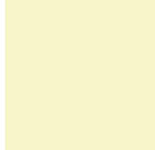
Protanomaly

89.8079, 0.3633, 0.4126



Deuteranomaly

89.2042, 0.3541, 0.3948



Tritanomaly

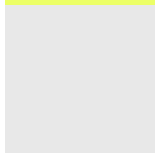
89.0212, 0.3417, 0.3757

Monochromacy



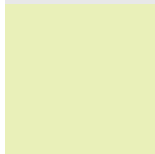
Original Color

90.3122, 0.3845, 0.4773



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.1466, 0.3424, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3122, 0.3845, 0.4773 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(236, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 102)  
}
```

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(236, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 90.3122, 0.3845, 0.4773 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(236, 255, 102) }
```

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

```
.border{ border-color:rgb(236, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(236, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3122, 0.3845, 0.4773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 102) }
```

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

```
.background{ background-color: rgb(236,  
255, 102) }
```

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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