

Converting Colors

$Y_{xy}(92.2044, 0.3920, 0.4729)$

Have a look what the booklet for
Yxy(92.2044, 0.3920, 0.4729)
contains.

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Color

Yxy(92.2535, 0.3922, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	F7FF66
RGB	247, 255, 102
RGB Percent	97%, 100%, 40%
CMY	0.0312, 0.0000, 0.6000
CMYK	0.03, 0.00, 0.60, 0.00
HSL	63°, 100%, 70%
HSV	63°, 60%, 100%
XYZ	76.5267, 92.2535, 26.3414
YIQ	235.1660, 44.3450, -49.2790

Conversions

Conversions Part 2

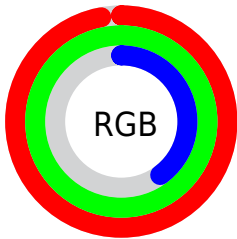
Format	Color
RYB	102, 255, 110
Decimal	16252774
CIELab	96.92, -21.59, 70.08
CIElCh	97, 73.326, 107.123
Yxy	92.2535, 0.3922, 0.4728
Android (android.graphics.Color)	4294442854 (0xFF7FF66)
YUV	235.1660, -65.6508, 10.3784
Hunter-Lab	96.0487, -25.8655, 50.9738

Details

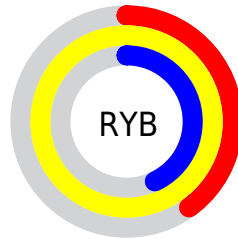
The Yxy color **92.2535, 0.3922, 0.4728** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.0334, 0.1999, 0.1370**, and the grayscale version is **83.7021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **51.2467, 0.4034, 0.5000** is the 20% darker color. If you saturate the color by 10%, you get **91.5870, 0.4005, 0.4892**, and if you desaturate by 10%, it is **93.0857, 0.3816, 0.4527**.

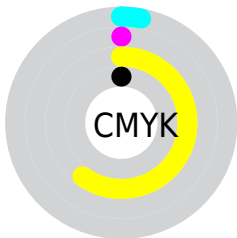
Distribution



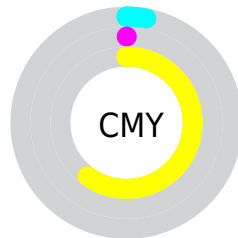
- Red (97%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (43%)



- Cyan (3%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.2535, 0.3922, 0.4728 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 92.2535, 0.3922, 0.4728 by changing the saturation by 10% instead.


 92.2535, 0.3922,
0.4728

 92.2535, 0.3922,
0.4728


535.3345, 0.3616,
0.4101


 69.8512, 0.3973,
0.4855

 150.4647, 0.3830,
0.4522


 51.4052, 0.4027,
0.5003


 187.0424, 0.3790,
0.4438

 36.5312, 0.4079,
0.5174


 229.1140, 0.3754,
0.4365

 24.8447, 0.4123,
0.5370

 277.0639, 0.3721,
0.4300

 15.9614, 0.4144,
0.5591

331.2765, 0.3691,
0.4242

 9.4969, 0.4136,
0.5864

392.1362, 0.3664,

 5.0667, 0.3958,

0.4190

0.6042

460.0274, 0.3639,
0.4143

■ 2.2864, 0.3668,
0.6332

■ 0.7665, 0.2082,
0.7918

■ 92.2535, 0.3922,
0.4728

■ 92.2535, 0.3922,
0.4728

■ 91.5870, 0.4005,
0.4892

■ 93.0857, 0.3816,
0.4527

■ 91.0588, 0.4062,
0.5012


■ 94.0838, 0.3692,
0.4297

■ 90.6554, 0.4093,
0.5088

■ 95.2637, 0.3555,
0.4049

■ 90.3480, 0.4101,
0.5126

■ 96.6359, 0.3412,
0.3793

 98.2101, 0.3268,
0.3538

99.9954, 0.3127,
0.3290

99.9968, 0.3127,
0.3290

Harmonies

Analogous

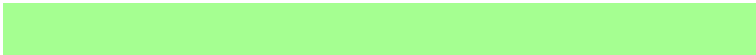
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2535, 0.4513, 0.4300



92.2535, 0.3922, 0.4728



92.2535, 0.3161, 0.4723

Triad

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



92.2535, 0.3922, 0.4728



92.2535, 0.1740, 0.2532



92.2535, 0.3753, 0.2618

Complementary

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



92.2535, 0.3922, 0.4728



20.0334, 0.1999, 0.1370

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.



92.2535, 0.2918, 0.2242



92.2535, 0.3922, 0.4728



92.2535, 0.1849, 0.2155

Square

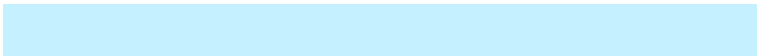
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.2535, 0.3922, 0.4728



92.2535, 0.1930, 0.3237



92.2535, 0.2246, 0.2074



92.2535, 0.4463, 0.3137

Rectangle

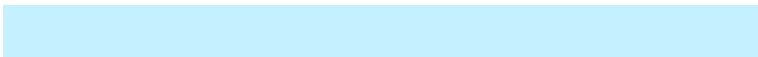
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.2535, 0.3922, 0.4728



92.2535, 0.2658, 0.4378



92.2535, 0.2246, 0.2074



92.2535, 0.3471, 0.2473

Sweetspot

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



92.2577, 0.3922, 0.4728



96.9387, 0.3383, 0.3742



33.2939, 0.4974, 0.3367



20.6565, 0.3425, 0.3817



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.



92.2577, 0.3922, 0.4728



91.4746, 0.4019, 0.4919



81.1166, 0.3403, 0.5027



21.0398, 0.3261, 0.3525



47.2318, 0.4103, 0.5124



4.6130, 0.4114, 0.5116

Inverse Universe

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



20.0334, 0.1999, 0.1370



13.5244, 0.1780, 0.1015



27.1789, 0.2567, 0.1619



17.4228, 0.2987, 0.3045



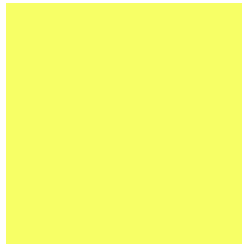
3.8368, 0.1515, 0.0608



0.3887, 0.1552, 0.0628

Previews

White Background



This preview shows how the Yxy color 92.2535, 0.3922, 0.4728 looks on a white background.

Color Contrast Check

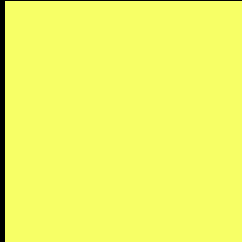
Large Text (above 18pt) WCAG AA × Fail

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 92.2535, 0.3922, 0.4728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

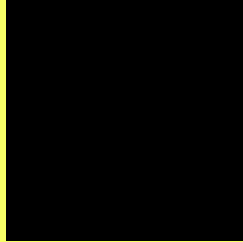
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.2535, 0.3922, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 92.2535, 0.3922, 0.4728.



This preview shows how white text looks on a background with the Yxy color 92.2535, 0.3922, 0.4728.

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



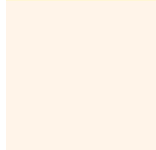
Original Color

92.2535, 0.3922, 0.4728



Protanopia

91.9756, 0.3389, 0.3616



Deuteranopia

91.8446, 0.3267, 0.3398



Tritanopia

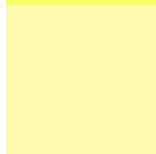
91.7925, 0.3151, 0.3194

Trichromacy



Original Color

92.2535, 0.3922, 0.4728



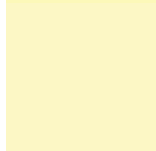
Protanomaly

91.4639, 0.3610, 0.4049



Deuteranomaly

91.3330, 0.3540, 0.3920



Tritanomaly

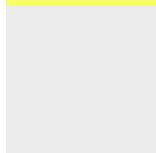
91.2482, 0.3467, 0.3790

Monochromacy



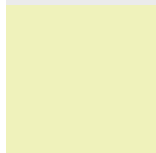
Original Color

92.2535, 0.3922, 0.4728



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.4428, 0.3450, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.2535, 0.3922, 0.4728 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(247, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 92.2535, 0.3922, 0.4728 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(247, 255, 102) }
```

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

```
.border{ border-color:rgb(247, 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(247, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 92.2535, 0.3922, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 102) }
```

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

```
.background{ background-color: rgb(247,  
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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