

Converting Colors

$Y_{xy}(124.6331, 0.3401, 0.4521)$

Have a look what the booklet for
Yxy(124.6331, 0.3401, 0.4521)
contains.

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Color

Yxy(92.2551, 0.3502, 0.4163)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFAA
RGB	236, 255, 170
RGB Percent	93%, 100%, 67%
CMY	0.0745, 0.0000, 0.3333
CMYK	0.07, 0.00, 0.33, 0.00
HSL	73°, 100%, 83%
HSV	73°, 33%, 100%
XYZ	77.6069, 92.2551, 51.7453
YIQ	239.6290, 15.9610, -30.4630

Conversions

Conversions Part 2

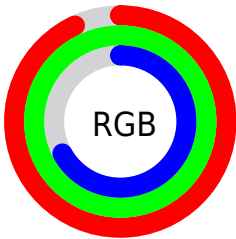
Format	Color
RYB	170, 255, 189
Decimal	15531946
CIELab	96.92, -19.41, 38.62
CIElCh	97, 43.227, 116.686
Yxy	92.2551, 0.3502, 0.4163
Android (android.graphics.Color)	4293722026 (0xFFE0FFAA)
YUV	239.6290, -34.3271, -3.1826
Hunter-Lab	96.0495, -23.8608, 35.2930

Details

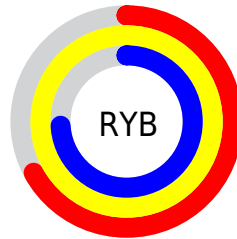
The Yxy color **92.2551, 0.3502, 0.4163** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.7882, 0.2657, 0.2328**, and the grayscale version is **87.0949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **51.2562, 0.3566, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **90.4211, 0.3603, 0.4429**, and if you desaturate by 10%, it is **94.3067, 0.3392, 0.3892**.

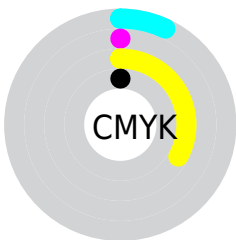
Distribution



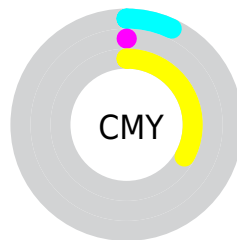
- Red (93%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (74%)



- Cyan (7%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.2551, 0.3502, 0.4163 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 92.2551, 0.3502, 0.4163 by changing the saturation by 10% instead.

 92.2551, 0.3502,
0.4163

 92.2551, 0.3502,
0.4163


535.3396, 0.3347,
0.3766

 69.8525, 0.3533,
0.4251

 150.4669, 0.3452,
0.4027

 51.4063, 0.3568,
0.4358


187.0449, 0.3431,
0.3974

 36.5321, 0.3609,
0.4490


229.1169, 0.3413,
0.3928

 24.8454, 0.3656,
0.4657

277.0672, 0.3397,
0.3887

 15.9619, 0.3708,
0.4875

331.2802, 0.3382,
0.3852

 9.4972, 0.3758,
0.5163

392.1404, 0.3369,

 5.0669, 0.3809,

0.3820

0.5589

460.0320, 0.3357,
0.3792

■ 2.2866, 0.3794,
0.6206

■ 0.7666, 0.2494,
0.7506

■ 92.2551, 0.3502,
0.4163

■ 92.2551, 0.3502,
0.4163

■ 90.4211, 0.3603,
0.4429

■ 94.3067, 0.3392,
0.3892

■ 88.7947, 0.3691,
0.4681

■ 96.5872, 0.3278,
0.3626

■ 87.3631, 0.3758,
0.4905

■ 99.1059, 0.3164,
0.3372

■ 86.1127, 0.3802,
0.5092

100.0000, 0.3127,
0.3290

■ 85.0275, 0.3820,
0.5234

■ 84.0883, 0.3812,
0.5327

■ 83.5249, 0.3795,
0.5369

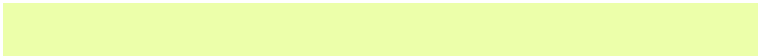
Harmonies

Analogous

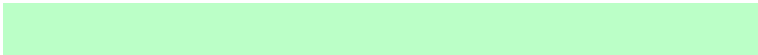
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.2551, 0.3894, 0.4035



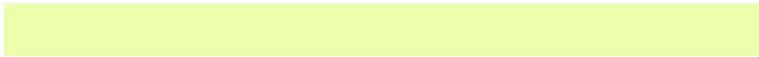
92.2551, 0.3502, 0.4163



92.2551, 0.3027, 0.4014

Triad

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



92.2551, 0.3502, 0.4163



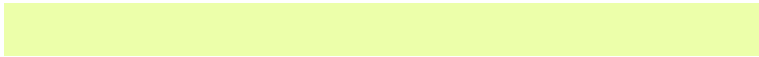
92.2551, 0.2252, 0.2753



92.2551, 0.3652, 0.2978

Complementary

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



92.2551, 0.3502, 0.4163



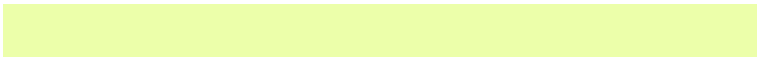
46.7882, 0.2657, 0.2328

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.



92.2551, 0.3171, 0.2691



92.2551, 0.3502, 0.4163



92.2551, 0.2387, 0.2550

Square

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



92.2551, 0.3502, 0.4163



92.2551, 0.2325, 0.3135



92.2551, 0.2711, 0.2536



92.2551, 0.3998, 0.3345

Rectangle

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



92.2551, 0.3502, 0.4163



92.2551, 0.2730, 0.3767



92.2551, 0.2711, 0.2536



92.2551, 0.3499, 0.2871

Sweetspot

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



92.2547, 0.3502, 0.4163



97.3999, 0.3240, 0.3540



60.3068, 0.3847, 0.3485



20.7736, 0.3256, 0.3576



0.0000, 0.0000, 0.0000



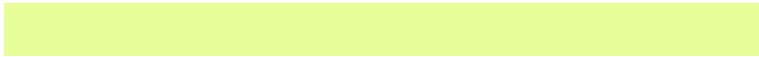
21.4041, 0.3127, 0.3290

Same Dimension

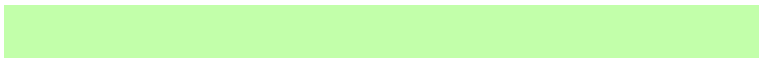
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.2547, 0.3502, 0.4163



91.0088, 0.3571, 0.4342



85.9026, 0.3226, 0.4245



20.8739, 0.3234, 0.3527



43.7129, 0.3802, 0.5363



4.3041, 0.3849, 0.5326

Inverse Universe

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



46.7882, 0.2657, 0.2328



39.2096, 0.2540, 0.2106



52.9442, 0.2975, 0.2410



17.5735, 0.3014, 0.3047



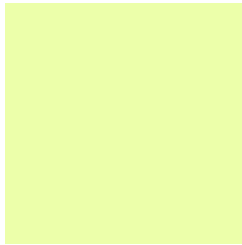
4.2809, 0.1617, 0.0665



0.4627, 0.1721, 0.0722

Previews

White Background



This preview shows how the Yxy color 92.2551, 0.3502, 0.4163 looks on a white background.

Color Contrast Check

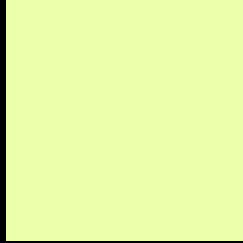
Large Text (above 18pt) WCAG AA × Fail

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 92.2551, 0.3502, 0.4163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

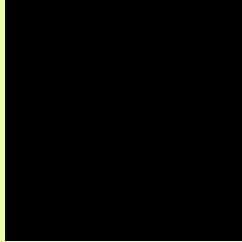
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

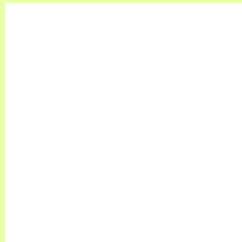
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.2551, 0.3502, 0.4163

Background



This preview shows how black text looks on a background with the Yxy color 92.2551, 0.3502, 0.4163.

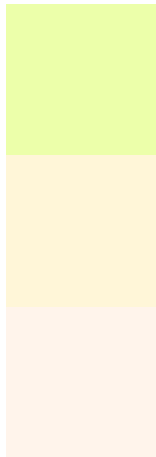


This preview shows how white text looks on a background with the Yxy color 92.2551, 0.3502, 0.4163.

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

92.2551, 0.3502, 0.4163

Protanopia

92.1294, 0.3371, 0.3586

Deuteranopia

91.9595, 0.3254, 0.3378

Tritanopia

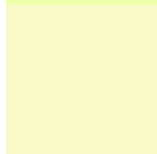
92.2990, 0.3081, 0.3193

Trichromacy



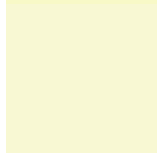
Original Color

92.2551, 0.3502, 0.4163



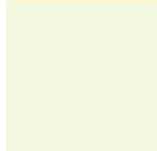
Protanomaly

91.8313, 0.3424, 0.3793



Deuteranomaly

91.7944, 0.3351, 0.3661



Tritanomaly

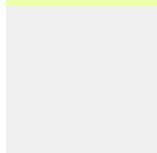
92.1879, 0.3238, 0.3541

Monochromacy



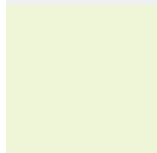
Original Color

92.2551, 0.3502, 0.4163



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.5618, 0.3270, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.2551, 0.3502, 0.4163 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 92.2551, 0.3502, 0.4163 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, 170) }
```

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

```
.border{ border-color:rgb(236, 255, 170) }
```

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, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 92.2551, 0.3502, 0.4163 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, 170) }
```

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

```
.background{ background-color: rgb(236,  
255, 170) }
```

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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