

Converting Colors

$Y_{xy}(90.9903, 0.3570, 0.4342)$

Have a look what the booklet for
Yxy(90.9903, 0.3570, 0.4342)
contains.

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Color

Yxy(90.9757, 0.3570, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	E8FF99
RGB	232, 255, 153
RGB Percent	91%, 100%, 60%
CMY	0.0900, 0.0000, 0.4000
CMYK	0.09, 0.00, 0.40, 0.00
HSL	73°, 100%, 80%
HSV	73°, 40%, 100%
XYZ	74.8004, 90.9757, 43.7488
YIQ	236.4950, 19.0340, -36.5980

Conversions

Conversions Part 2

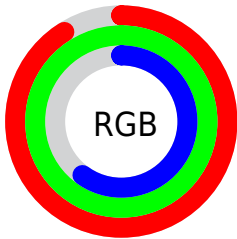
Format	Color
RYB	153, 255, 176
Decimal	15269785
CIELab	96.40, -22.86, 46.21
CIELCh	96, 51.555, 116.316
Yxy	90.9757, 0.3570, 0.4342
Android (android.graphics.Color)	4293459865 (0xFFE8FF99)
YUV	236.4950, -41.1630, -3.9421
Hunter-Lab	95.3812, -26.9328, 39.5721

Details

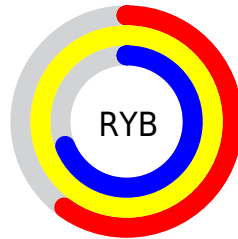
The Yxy color **90.9757, 0.3570, 0.4342** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.2204, 0.2541, 0.2106**, and the grayscale version is **84.5988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **50.4222, 0.3643, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **89.2809, 0.3662, 0.4600**, and if you desaturate by 10%, it is **92.8899, 0.3465, 0.4073**.

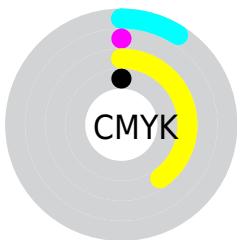
Distribution



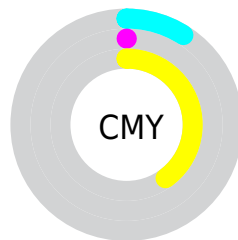
- Red (91%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (69%)



- Cyan (9%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9757, 0.3570, 0.4342 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 90.9757, 0.3570, 0.4342 by changing the saturation by 10% instead.

 90.9757, 0.3570,
0.4342


 90.9757, 0.3570,
0.4342


531.1997, 0.3391,
0.3863

 68.7902, 0.3604,
0.4448


 148.6929, 0.3513,
0.4179

 50.5408, 0.3642,
0.4575


 184.9934, 0.3490,
0.4114

 35.8433, 0.3685,
0.4733

226.7677, 0.3468,
0.4058

 24.3132, 0.3730,
0.4930

274.4002, 0.3450,
0.4009

 15.5661, 0.3772,
0.5180

328.2752, 0.3433,
0.3966

 9.2177, 0.3798,
0.5503

388.7772, 0.3417,

 4.8834, 0.3890,

0.3928

0.6110

456.2906, 0.3403,
0.3894

■ 2.1790, 0.3573,
0.6427

■ 0.7085, 0.1402,
0.8598

■ 90.9757, 0.3570,
0.4342

■ 90.9757, 0.3570,
0.4342

■ 89.2809, 0.3662,
0.4600

■ 92.8899, 0.3465,
0.4073

■ 87.7816, 0.3737,
0.4835

■ 95.0223, 0.3354,
0.3803

■ 86.4685, 0.3789,
0.5036

■ 97.3869, 0.3240,
0.3540

■ 85.3265, 0.3815,
0.5193

99.9930, 0.3127,
0.3290

■ 84.3378, 0.3815,
0.5303

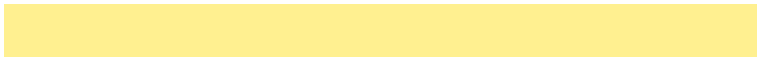
99.9955, 0.3127,
0.3290

■ 83.4734, 0.3793,
0.5370

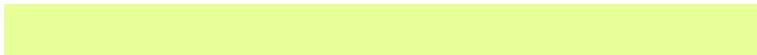
Harmonies

Analogous

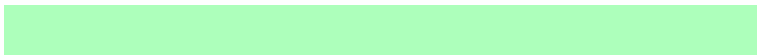
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9757, 0.4039, 0.4164



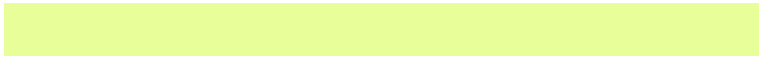
90.9757, 0.3570, 0.4342



90.9757, 0.3006, 0.4177

Triad

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



90.9757, 0.3570, 0.4342



90.9757, 0.2097, 0.2649



90.9757, 0.3749, 0.2914

Complementary

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



90.9757, 0.3570, 0.4342



39.2204, 0.2541, 0.2106

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.



90.9757, 0.3167, 0.2583



90.9757, 0.3570, 0.4342



90.9757, 0.2250, 0.2417

Square

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



90.9757, 0.3570, 0.4342



90.9757, 0.2182, 0.3101



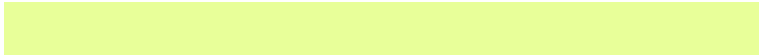
90.9757, 0.2624, 0.2404



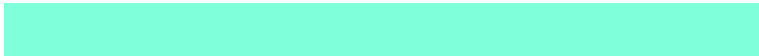
90.9757, 0.4169, 0.3337

Rectangle

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



90.9757, 0.3570, 0.4342



90.9757, 0.2654, 0.3874



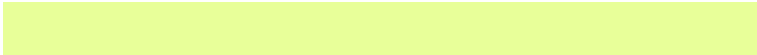
90.9757, 0.2624, 0.2404



90.9757, 0.3562, 0.2790

Sweetspot

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



90.9798, 0.3570, 0.4342



96.9016, 0.3263, 0.3592



54.2533, 0.4050, 0.3525



20.6733, 0.3277, 0.3626



0.0000, 0.0000, 0.0000



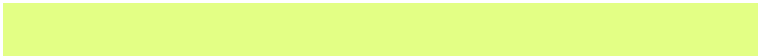
21.4041, 0.3127, 0.3290

Same Dimension

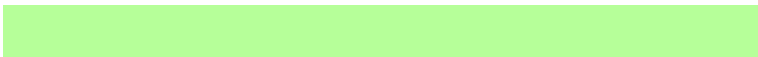
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9798, 0.3570, 0.4342



89.6104, 0.3645, 0.4550



83.7468, 0.3239, 0.4464



20.8727, 0.3234, 0.3527



43.6890, 0.3800, 0.5365



4.3019, 0.3847, 0.5328

Inverse Universe

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



39.2204, 0.2541, 0.2106



31.3724, 0.2395, 0.1837



46.1821, 0.2934, 0.2228



17.5747, 0.3014, 0.3047



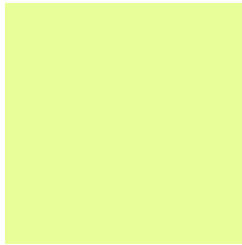
4.2864, 0.1619, 0.0665



0.4634, 0.1723, 0.0723

Previews

White Background



This preview shows how the Yxy color 90.9757, 0.3570, 0.4342 looks on a white background.

Color Contrast Check

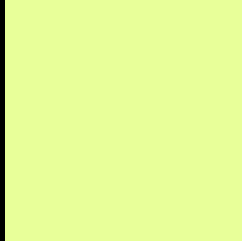
Large Text (above 18pt) WCAG AA × Fail

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 90.9757, 0.3570, 0.4342 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 90.9757, 0.3570, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 90.9757, 0.3570, 0.4342.

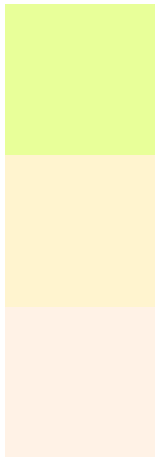


This preview shows how white text looks on a background with the Yxy color 90.9757, 0.3570, 0.4342.

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

90.9757, 0.3570, 0.4342

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

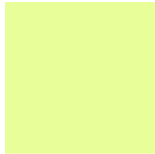
90.4774, 0.3287, 0.3408



Tritanopia

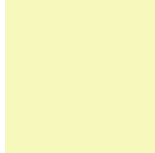
90.7337, 0.3069, 0.3173

Trichromacy



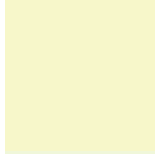
Original Color

90.9757, 0.3570, 0.4342



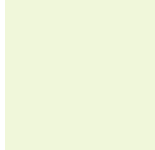
Protanomaly

90.4968, 0.3493, 0.3907



Deuteranomaly

90.5600, 0.3402, 0.3744



Tritanomaly

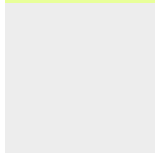
90.1087, 0.3256, 0.3585

Monochromacy



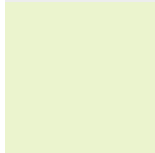
Original Color

90.9757, 0.3570, 0.4342



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8198, 0.3300, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9757, 0.3570, 0.4342 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(232, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 153)  
}
```

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(232, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 90.9757, 0.3570, 0.4342 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(232, 255, 153) }
```

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

```
.border{ border-color:rgb(232, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9757, 0.3570, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 153) }
```

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

```
.background{ background-color: rgb(232,  
255, 153) }
```

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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