

Converting Colors

$Yxy(91.9984, 0.3611, 0.4327)$

Have a look what the booklet for
Yxy(91.9984, 0.3611, 0.4327)
contains.

Yxy(91.9971, 0.3611, 0.4327)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(91.9971, 0.3611, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	EEFF99
RGB	238, 255, 153
RGB Percent	93%, 100%, 60%
CMY	0.0666, 0.0000, 0.4001
CMYK	0.07, 0.00, 0.40, 0.00
HSL	70°, 100%, 80%
HSV	70°, 40%, 100%
XYZ	76.7741, 91.9971, 43.8405
YIQ	238.2890, 22.6100, -35.3260

Conversions

Conversions Part 2

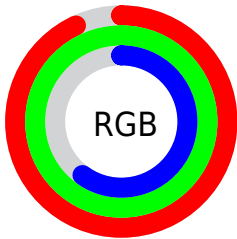
Format	Color
RYB	153, 255, 170
Decimal	15663001
CIELab	96.82, -20.64, 46.83
CIELCh	97, 51.176, 113.781
Yxy	91.9971, 0.3611, 0.4327
Android (android.graphics.Color)	4293853081 (0xFFEEFF99)
YUV	238.2890, -42.0475, -0.2535
Hunter-Lab	95.9151, -24.9733, 40.0405

Details

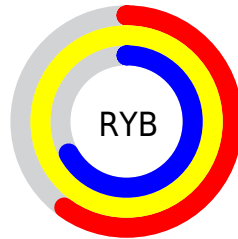
The Yxy color **91.9971, 0.3611, 0.4327** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.5400, 0.2498, 0.2093**, and the grayscale version is **86.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **51.1320, 0.3696, 0.4548** is the 20% darker color. If you saturate the color by 10%, you get **90.5199, 0.3714, 0.4575**, and if you desaturate by 10%, it is **93.6783, 0.3496, 0.4065**.

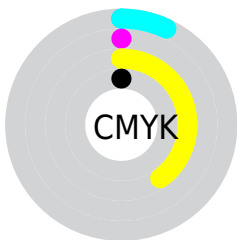
Distribution



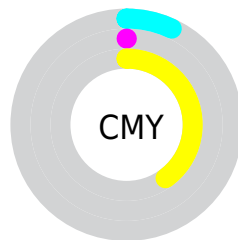
- Red (93%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (67%)



- Cyan (7%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (7%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.9971, 0.3611, 0.4327 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 91.9971, 0.3611, 0.4327 by changing the saturation by 10% instead.


 91.9971, 0.3611,
0.4327


 91.9971, 0.3611,
0.4327


534.5061, 0.3413,
0.3858

 69.6382, 0.3649,
0.4430


 150.1094, 0.3548,
0.4168

 51.2317, 0.3692,
0.4553


 186.6316, 0.3522,
0.4105

 36.3930, 0.3740,
0.4705


228.6436, 0.3499,
0.4050

 24.7379, 0.3793,
0.4894

276.5300, 0.3478,
0.4002

 15.8819, 0.3846,
0.5132

330.6750, 0.3459,
0.3960

 9.4406, 0.3885,
0.5436

391.4631, 0.3442,

 5.0297, 0.3997,

0.3922

0.6003

459.2787, 0.3427,
0.3888

■ 2.2647, 0.3720,
0.6280

■ 0.7549, 0.2207,
0.7793

■ 91.9971, 0.3611,
0.4327

■ 91.9971, 0.3611,
0.4327

■ 90.5199, 0.3714,
0.4575

■ 93.6783, 0.3496,
0.4065

■ 89.2251, 0.3799,
0.4799

■ 95.5641, 0.3373,
0.3800

■ 88.1029, 0.3862,
0.4987

■ 97.6679, 0.3249,
0.3539

■ 87.1384, 0.3898,
0.5132

99.9987, 0.3127,
0.3290

■ 86.3138, 0.3908,
0.5231

100.0000, 0.3127,
0.3290

■ 85.6006, 0.3896,
0.5288

Harmonies

Analogous

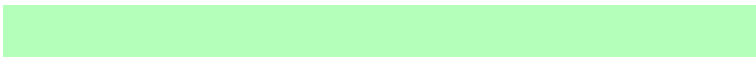
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9971, 0.4060, 0.4129



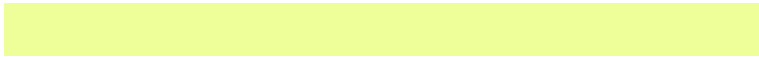
91.9971, 0.3611, 0.4327



91.9971, 0.3055, 0.4194

Triad

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



91.9971, 0.3611, 0.4327



91.9971, 0.2105, 0.2685



91.9971, 0.3696, 0.2885

Complementary

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



91.9971, 0.3611, 0.4327



38.5400, 0.2498, 0.2093

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.



91.9971, 0.3117, 0.2568



91.9971, 0.3611, 0.4327



91.9971, 0.2237, 0.2436

Square

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



91.9971, 0.3611, 0.4327



91.9971, 0.2209, 0.3150



91.9971, 0.2590, 0.2406



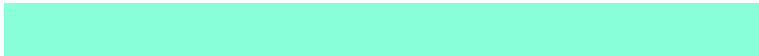
91.9971, 0.4133, 0.3300

Rectangle

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



91.9971, 0.3611, 0.4327



91.9971, 0.2701, 0.3912



91.9971, 0.2590, 0.2406



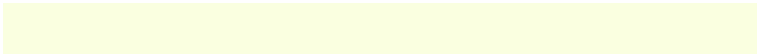
91.9971, 0.3509, 0.2766

Sweetspot

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



92.0004, 0.3611, 0.4327



97.2304, 0.3274, 0.3591



51.6713, 0.4080, 0.3454



20.7510, 0.3290, 0.3624



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

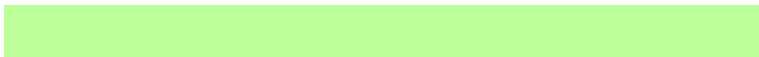
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.0004, 0.3611, 0.4327



90.8016, 0.3695, 0.4527



84.5988, 0.3282, 0.4448



20.9288, 0.3243, 0.3527



44.7848, 0.3902, 0.5284



4.3993, 0.3937, 0.5256

Inverse Universe

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



38.5400, 0.2498, 0.2093



30.6552, 0.2344, 0.1818



45.1038, 0.2879, 0.2210



17.5229, 0.3005, 0.3046



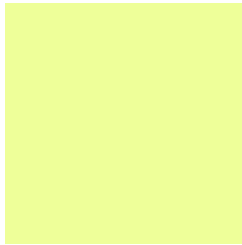
4.0770, 0.1571, 0.0639



0.4358, 0.1661, 0.0689

Previews

White Background



This preview shows how the Yxy color 91.9971, 0.3611, 0.4327 looks on a white background.

Color Contrast Check

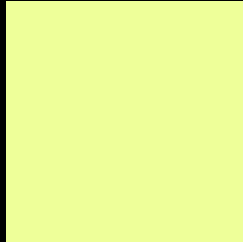
Large Text (above 18pt) WCAG AA × Fail

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 91.9971, 0.3611, 0.4327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

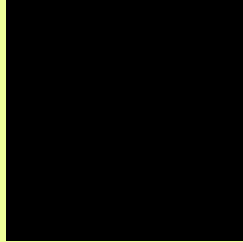
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.9971, 0.3611, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 91.9971, 0.3611, 0.4327.

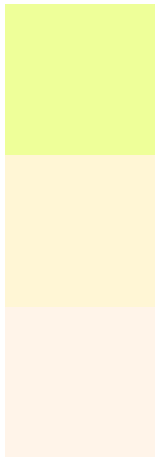


This preview shows how white text looks on a background with the Yxy color 91.9971, 0.3611, 0.4327.

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

91.9971, 0.3611, 0.4327

Protanopia

91.9756, 0.3389, 0.3616

Deuteranopia

91.8446, 0.3267, 0.3398



Tritanopia

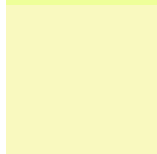
92.0611, 0.3094, 0.3183

Trichromacy



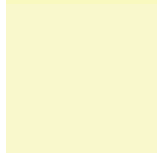
Original Color

91.9971, 0.3611, 0.4327



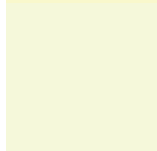
Protanomaly

91.6527, 0.3480, 0.3873



Deuteranomaly

91.6342, 0.3401, 0.3731



Tritanomaly

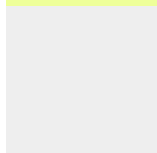
91.6092, 0.3288, 0.3591

Monochromacy



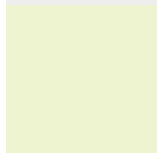
Original Color

91.9971, 0.3611, 0.4327



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.3835, 0.3314, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.9971, 0.3611, 0.4327 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(238, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 91.9971, 0.3611, 0.4327 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(238, 255, 153) }
```

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

```
.border{ border-color:rgb(238, 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(238, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(238, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 91.9971, 0.3611, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 255, 153) }
```

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

```
.background{ background-color: rgb(238,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor