

Converting Colors

$Yxy(93.8046, 0.3531, 0.4257)$

Have a look what the booklet for
Yxy(93.8046, 0.3531, 0.4257)
contains.

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Color

Yxy(91.9972, 0.3542, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFA3
RGB	236, 255, 163
RGB Percent	93%, 100%, 64%
CMY	0.0743, 0.0000, 0.3607
CMYK	0.07, 0.00, 0.36, 0.00
HSL	72°, 100%, 82%
HSV	72°, 36%, 100%
XYZ	76.9795, 91.9972, 48.3567
YIQ	238.8310, 18.2080, -32.6400

Conversions

Conversions Part 2

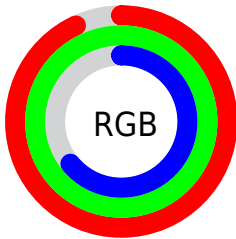
Format	Color
R_{YB}	163, 255, 182
Decimal	15531939
CIE _{Lab}	96.82, -20.22, 41.92
CIE _{LCh}	97, 46.547, 115.750
Yxy	91.9972, 0.3542, 0.4233
Android (android.graphics.Color)	4293722019 (0xFFE0FFA3)
YUV	238.8310, -37.3847, -2.4828
Hunter-Lab	95.9152, -24.5913, 37.2489

Details

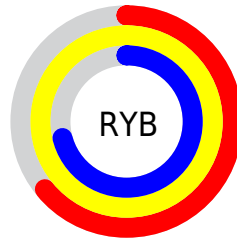
The Yxy color **91.9972, 0.3542, 0.4233** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3574, 0.2598, 0.2234**, and the grayscale version is **86.4746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **51.0977, 0.3614, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **90.2921, 0.3643, 0.4494**, and if you desaturate by 10%, it is **93.9212, 0.3431, 0.3964**.

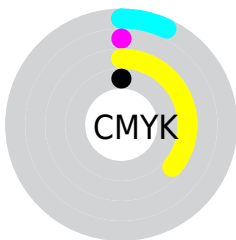
Distribution



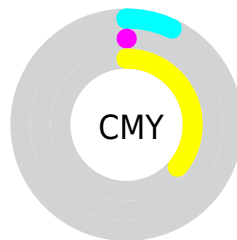
- Red (93%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.9972, 0.3542, 0.4233 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 91.9972, 0.3542, 0.4233 by changing the saturation by 10% instead.


 91.9972, 0.3542,
0.4233


 91.9972, 0.3542,
0.4233


534.5065, 0.3371,
0.3805

 69.6383, 0.3575,
0.4327


 150.1095, 0.3487,
0.4087

 51.2317, 0.3614,
0.4442


 186.6317, 0.3465,
0.4029

 36.3931, 0.3657,
0.4584


228.6438, 0.3444,
0.3979

 24.7379, 0.3706,
0.4762

276.5302, 0.3427,
0.3936

 15.8819, 0.3758,
0.4991

330.6753, 0.3411,
0.3897

 9.4406, 0.3804,
0.5291


391.4634, 0.3396,


 5.0297, 0.3877,


0.3863


0.5777


459.2790, 0.3383,
0.3832


 2.2647, 0.3744,
0.6256


 0.7549, 0.2287,
0.7713


 91.9972, 0.3542,
0.4233


 91.9972, 0.3542,
0.4233


 90.2921, 0.3643,
0.4494

 93.9212, 0.3431,
0.3964

 88.7822, 0.3729,
0.4736

 96.0622, 0.3314,
0.3698

 87.4590, 0.3794,
0.4947

 98.4339, 0.3197,
0.3440

 86.3084, 0.3834,
0.5118

99.9927, 0.3127,
0.3290

■ 85.3137, 0.3847,
0.5243

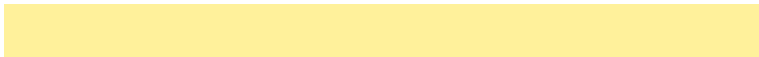
■ 84.4544, 0.3836,
0.5321

■ 84.1418, 0.3827,
0.5344

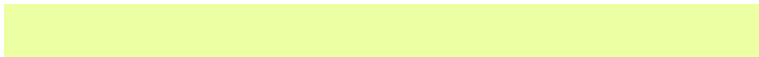
Harmonies

Analogous

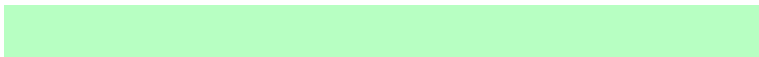
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9972, 0.3960, 0.4079



91.9972, 0.3542, 0.4233



91.9972, 0.3032, 0.4085

Triad

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



91.9972, 0.3542, 0.4233



91.9972, 0.2190, 0.2720



91.9972, 0.3678, 0.2944

Complementary

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



91.9972, 0.3542, 0.4233



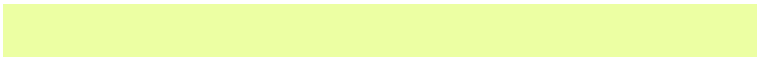
43.3574, 0.2598, 0.2234

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.



91.9972, 0.3156, 0.2642



91.9972, 0.3542, 0.4233



91.9972, 0.2326, 0.2500

Square

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



91.9972, 0.3542, 0.4233



91.9972, 0.2273, 0.3135



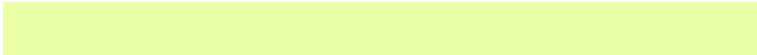
91.9972, 0.2665, 0.2482



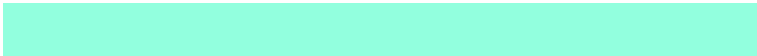
91.9972, 0.4058, 0.3332

Rectangle

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



91.9972, 0.3542, 0.4233



91.9972, 0.2712, 0.3821



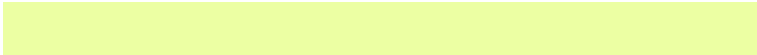
91.9972, 0.2665, 0.2482



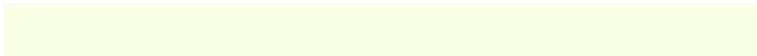
91.9972, 0.3511, 0.2830

Sweetspot

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



92.0013, 0.3542, 0.4233



97.2450, 0.3255, 0.3565



57.1178, 0.3934, 0.3486



20.7460, 0.3271, 0.3601



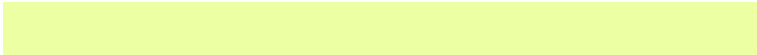
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

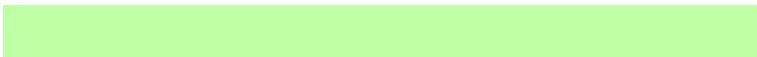
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.0013, 0.3542, 0.4233



90.8042, 0.3614, 0.4415



85.1832, 0.3242, 0.4331



20.8910, 0.3237, 0.3527



44.0362, 0.3833, 0.5339



4.3329, 0.3876, 0.5304

Inverse Universe

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



43.3574, 0.2598, 0.2234



35.8932, 0.2472, 0.2000



49.8149, 0.2946, 0.2331



17.5577, 0.3011, 0.3046



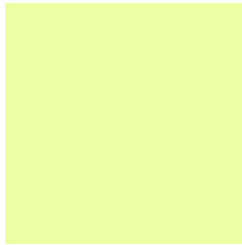
4.2109, 0.1602, 0.0656



0.4538, 0.1701, 0.0711

Previews

White Background



This preview shows how the Yxy color 91.9972, 0.3542, 0.4233 looks on a white background.

Color Contrast Check

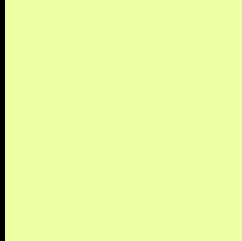
Large Text (above 18pt) WCAG AA × Fail

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 91.9972, 0.3542, 0.4233 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

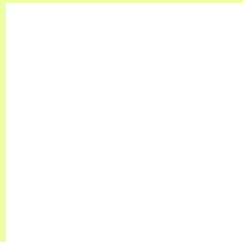
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.9972, 0.3542, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 91.9972, 0.3542, 0.4233.

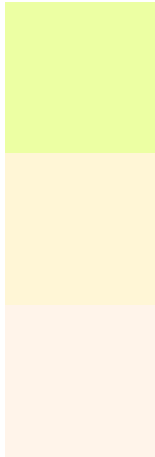


This preview shows how white text looks on a background with the Yxy color 91.9972, 0.3542, 0.4233.

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

91.9972, 0.3542, 0.4233

Protanopia

92.0266, 0.3383, 0.3606

Deuteranopia

91.9019, 0.3260, 0.3388



Tritanopia

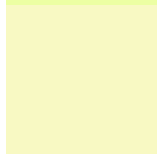
91.6955, 0.3081, 0.3183

Trichromacy



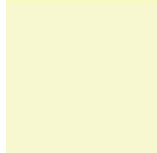
Original Color

91.9972, 0.3542, 0.4233



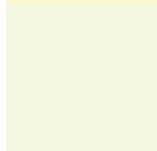
Protanomaly

91.6480, 0.3448, 0.3834



Deuteranomaly

91.6453, 0.3370, 0.3691



Tritanomaly

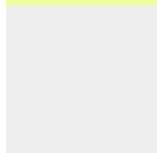
91.4634, 0.3251, 0.3552

Monochromacy



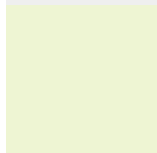
Original Color

91.9972, 0.3542, 0.4233



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.1851, 0.3288, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.9972, 0.3542, 0.4233 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 91.9972, 0.3542, 0.4233 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, 163) }
```

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

```
.border{ border-color:rgb(236, 255, 163) }
```

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, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 91.9972, 0.3542, 0.4233 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, 163) }
```

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

```
.background{ background-color: rgb(236,  
255, 163) }
```

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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