

Converting Colors

$Y_{xy}(93.3610, 0.3605, 0.4230)$

Have a look what the booklet for
Yxy(93.3610, 0.3605, 0.4230)
contains.

Yxy(93.3617, 0.3602, 0.4225)	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(93.3617, 0.3602, 0.4225)

Conversions

Conversions Part 1

Format	Color
Hex	F4FFA2
RGB	244, 255, 162
RGB Percent	96%, 100%, 64%
CMY	0.0431, 0.0000, 0.3646
CMYK	0.04, 0.00, 0.36, 0.00
HSL	67°, 100%, 82%
HSV	67°, 36%, 100%
XYZ	79.5950, 93.3617, 48.0177
YIQ	241.1090, 23.2970, -31.2550

Conversions

Conversions Part 2

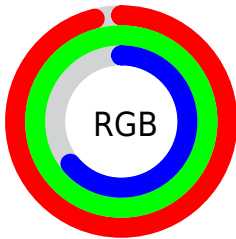
Format	Color
R _Y B	162, 255, 173
Decimal	16056226
CIE Lab	97.37, -17.39, 43.24
CIE LCh	97, 46.607, 111.914
Yxy	93.3617, 0.3602, 0.4225
Android (android.graphics.Color)	4294246306 (0xFFFF4FFA2)
YUV	241.1090, -39.0007, 2.5354
Hunter-Lab	96.6239, -22.0504, 38.1722

Details

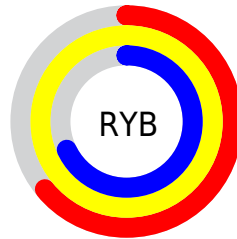
The Yxy color **93.3617, 0.3602, 0.4225** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.9544, 0.2533, 0.2204**, and the grayscale version is **88.3576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **52.0571, 0.3690, 0.4422** is the 20% darker color. If you saturate the color by 10%, you get **92.0135, 0.3719, 0.4472**, and if you desaturate by 10%, it is **94.9095, 0.3475, 0.3966**.

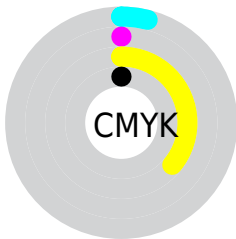
Distribution



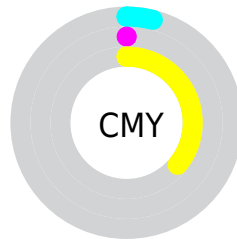
- Red (96%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (68%)



- Cyan (4%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.3617, 0.3602, 0.4225 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 93.3617, 0.3602, 0.4225 by changing the saturation by 10% instead.


 93.3617, 0.3602,
0.4225


 93.3617, 0.3602,
0.4225

538.9067, 0.3405,
0.3804

 70.7722, 0.3641,
0.4317

 151.9993, 0.3538,
0.4082

 52.1563, 0.3686,
0.4428


 188.8161, 0.3512,
0.4026

 37.1297, 0.3738,
0.4564


231.1442, 0.3489,
0.3977

 25.3079, 0.3797,
0.4733

279.3679, 0.3468,
0.3934

 16.3066, 0.3862,
0.4949

333.8716, 0.3450,
0.3896

 9.7414, 0.3925,
0.5227


395.0397, 0.3433,


 5.2278, 0.4024,


0.3862


0.5675


463.2566, 0.3418,
0.3831


 2.3815, 0.3924,
0.6076


 0.8164, 0.3009,
0.6991

 93.3617, 0.3602,
0.4225


 93.3617, 0.3602,
0.4225


 92.0135, 0.3719,
0.4472


 94.9095, 0.3475,
0.3966

 90.8434, 0.3820,
0.4697

 96.6568, 0.3343,
0.3705

 89.8423, 0.3900,
0.4888

 98.6165, 0.3211,
0.3449

 88.9961, 0.3955,
0.5039

100.0000, 0.3127,
0.3290

■ 88.2883, 0.3983,
0.5144

■ 87.6983, 0.3985,
0.5205

■ 87.5068, 0.3983,
0.5220

Harmonies

Analogous

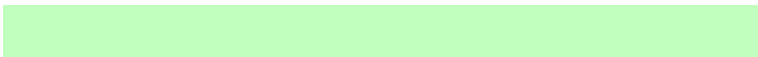
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3617, 0.3997, 0.4041



93.3617, 0.3602, 0.4225



93.3617, 0.3098, 0.4119

Triad

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



93.3617, 0.3602, 0.4225



93.3617, 0.2191, 0.2765



93.3617, 0.3613, 0.2900

Complementary

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



93.3617, 0.3602, 0.4225



41.9544, 0.2533, 0.2204

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.



93.3617, 0.3088, 0.2615



93.3617, 0.3602, 0.4225



93.3617, 0.2300, 0.2520

Square

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



93.3617, 0.3602, 0.4225



93.3617, 0.2303, 0.3199



93.3617, 0.2614, 0.2476



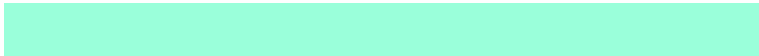
93.3617, 0.4020, 0.3280

Rectangle

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



93.3617, 0.3602, 0.4225



93.3617, 0.2771, 0.3877



93.3617, 0.2614, 0.2476



93.3617, 0.3442, 0.2792

Sweetspot

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



93.3652, 0.3602, 0.4225



97.7001, 0.3270, 0.3564



53.7072, 0.3976, 0.3407



20.8551, 0.3288, 0.3599



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

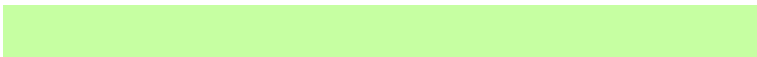
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.3652, 0.3602, 0.4225



92.3289, 0.3691, 0.4413



86.0897, 0.3292, 0.4328



20.9754, 0.3251, 0.3526



45.7674, 0.3986, 0.5217



4.4857, 0.4011, 0.5197

Inverse Universe

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



41.9544, 0.2533, 0.2204



33.8785, 0.2383, 0.1943



48.1849, 0.2882, 0.2303



17.4805, 0.2997, 0.3045



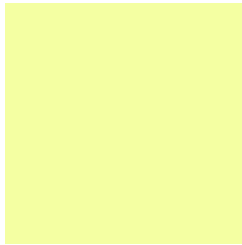
3.9500, 0.1542, 0.0623



0.4159, 0.1615, 0.0664

Previews

White Background



This preview shows how the Yxy color 93.3617, 0.3602, 0.4225 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 93.3617, 0.3602, 0.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

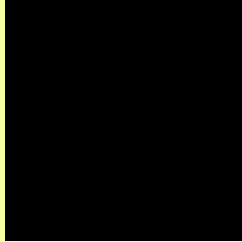
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.3617, 0.3602, 0.4225

Background



This preview shows how black text looks on a background with the Yxy color 93.3617, 0.3602, 0.4225.



This preview shows how white text looks on a background with the Yxy color 93.3617, 0.3602, 0.4225.

Color Blindness Simulation

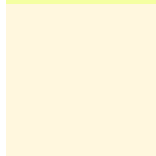
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



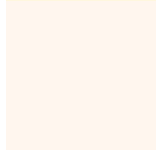
Original Color

93.3617, 0.3602, 0.4225



Protanopia

93.0555, 0.3332, 0.3536



Deuteranopia

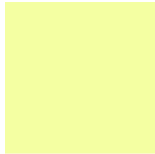
93.3446, 0.3234, 0.3368



Tritanopia

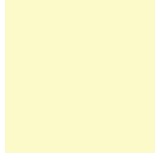
93.2203, 0.3112, 0.3194

Trichromacy



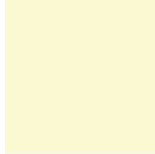
Original Color

93.3617, 0.3602, 0.4225



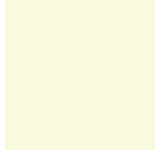
Protanomaly

93.0506, 0.3436, 0.3789



Deuteranomaly

92.9137, 0.3376, 0.3678



Tritanomaly

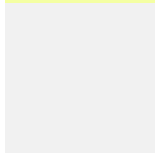
93.1116, 0.3295, 0.3568

Monochromacy



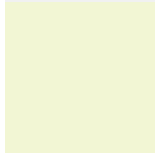
Original Color

93.3617, 0.3602, 0.4225



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.5422, 0.3308, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.3617, 0.3602, 0.4225 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(244, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 162)  
}
```

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(244, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 162) }
```

Border

The CSS property to change the border of an element to Yxy 93.3617, 0.3602, 0.4225 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(244, 255, 162) }
```

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

```
.border{ border-color:rgb(244, 255, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 93.3617, 0.3602, 0.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 162) }
```

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

```
.background{ background-color: rgb(244,  
255, 162) }
```

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