

Converting Colors

$Y_{xy}(100.0000, 0.3485, 0.4168)$

Have a look what the booklet for
Yxy(100.0000, 0.3485, 0.4168)
contains.

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Color

Yxy(93.5716, 0.3502, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFB1
RGB	242, 255, 177
RGB Percent	95%, 100%, 69%
CMY	0.0512, 0.0000, 0.3059
CMYK	0.05, 0.00, 0.31, 0.00
HSL	70°, 100%, 85%
HSV	70°, 31%, 100%
XYZ	80.2959, 93.5716, 55.4184
YIQ	242.2210, 17.2900, -27.0140

Conversions

Conversions Part 2

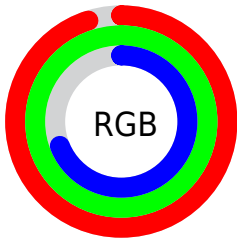
Format	Color
RYB	177, 255, 190
Decimal	15925169
CIELab	97.46, -16.38, 35.94
CIElCh	97, 39.493, 114.506
Yxy	93.5716, 0.3502, 0.4081
Android (android.graphics.Color)	4294115249 (0xFFFF2FFB1)
YUV	242.2210, -32.1540, -0.1938
Hunter-Lab	96.7324, -21.1119, 33.7452

Details

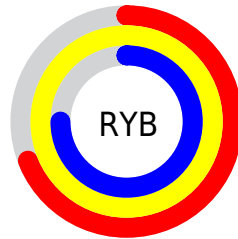
The Yxy color **93.5716, 0.3502, 0.4081** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **49.6156, 0.2672, 0.2409**, and the grayscale version is **89.2084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **52.1577, 0.3569, 0.4247** is the 20% darker color. If you saturate the color by 10%, you get **91.8892, 0.3617, 0.4342**, and if you desaturate by 10%, it is **95.4375, 0.3380, 0.3815**.

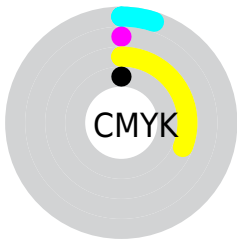
Distribution



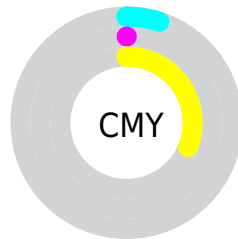
- Red (95%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (75%)



- Cyan (5%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.5716, 0.3502, 0.4081 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 93.5716, 0.3502, 0.4081 by changing the saturation by 10% instead.

 93.5716, 0.3502,
0.4081

 93.5716, 0.3502,
0.4081


539.5819, 0.3345,
0.3724

 70.9467, 0.3534,
0.4160


 152.2897, 0.3451,
0.3959

 52.2987, 0.3571,
0.4255


189.1517, 0.3430,
0.3911

 37.2432, 0.3615,
0.4374


231.5282, 0.3411,
0.3870

 25.3959, 0.3666,
0.4524

279.8036, 0.3395,
0.3833

 16.3722, 0.3726,
0.4718

334.3623, 0.3380,
0.3801

 9.7879, 0.3792,
0.4977

395.5886, 0.3367,

 5.2586, 0.3854,

0.3772

0.5336

463.8671, 0.3355,
0.3747

■ 2.3998, 0.3983,
0.6017

■ 0.8258, 0.3180,
0.6820

■ 93.5716, 0.3502,
0.4081

■ 93.5716, 0.3502,
0.4081

■ 91.8892, 0.3617,
0.4342

■ 95.4375, 0.3380,
0.3815

■ 90.4157, 0.3719,
0.4590

■ 97.5330, 0.3256,
0.3554

■ 89.1274, 0.3802,
0.4812

■ 99.8553, 0.3134,
0.3304

■ 88.0112, 0.3863,
0.4998

■ 100.0000, 0.3127,
0.3290

■ 87.0519, 0.3898,
0.5140

■ 86.2316, 0.3907,
0.5236

■ 85.5599, 0.3895,
0.5290

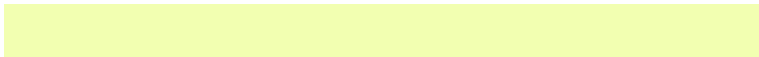
Harmonies

Analogous

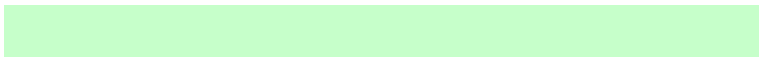
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5716, 0.3847, 0.3955



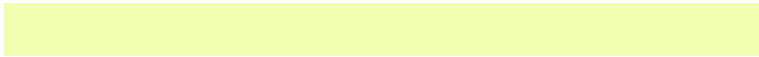
93.5716, 0.3502, 0.4081



93.5716, 0.3071, 0.3962

Triad

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



93.5716, 0.3502, 0.4081



93.5716, 0.2324, 0.2823



93.5716, 0.3576, 0.2983

Complementary

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



93.5716, 0.3502, 0.4081



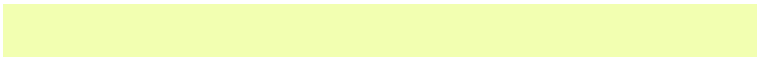
49.6156, 0.2672, 0.2409

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.



93.5716, 0.3136, 0.2726



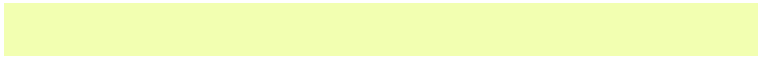
93.5716, 0.3502, 0.4081



93.5716, 0.2434, 0.2622

Square

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



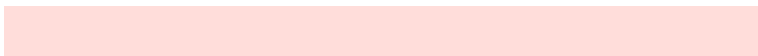
93.5716, 0.3502, 0.4081



93.5716, 0.2406, 0.3183



93.5716, 0.2722, 0.2594



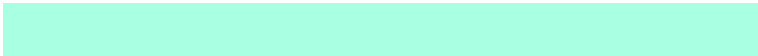
93.5716, 0.3902, 0.3319

Rectangle

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



93.5716, 0.3502, 0.4081



93.5716, 0.2794, 0.3749



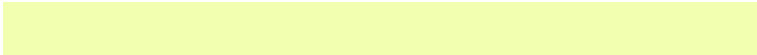
93.5716, 0.2722, 0.2594



93.5716, 0.3435, 0.2886

Sweetspot

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



93.5595, 0.3502, 0.4081



97.8872, 0.3237, 0.3514



61.2579, 0.3782, 0.3428



20.8825, 0.3255, 0.3551



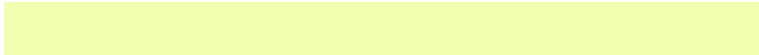
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

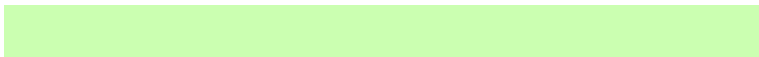
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5595, 0.3502, 0.4081



92.4658, 0.3577, 0.4249



87.3897, 0.3245, 0.4150



20.9277, 0.3243, 0.3527



44.7638, 0.3900, 0.5286



4.3975, 0.3935, 0.5258

Inverse Universe

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



49.6156, 0.2672, 0.2409



41.8706, 0.2555, 0.2195



55.3186, 0.2961, 0.2478



17.5239, 0.3005, 0.3046



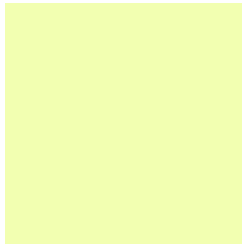
4.0802, 0.1572, 0.0640



0.4363, 0.1662, 0.0689

Previews

White Background



This preview shows how the Yxy color 93.5716, 0.3502, 0.4081 looks on a white background.

Color Contrast Check

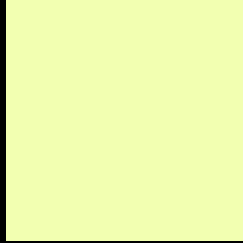
Large Text (above 18pt) WCAG AA × Fail

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 93.5716, 0.3502, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

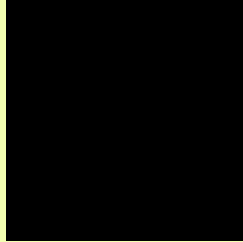
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.5716, 0.3502, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 93.5716, 0.3502, 0.4081.

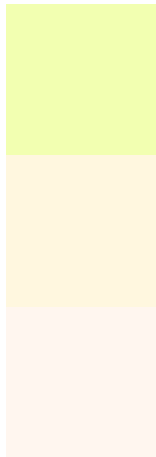


This preview shows how white text looks on a background with the Yxy color 93.5716, 0.3502, 0.4081.

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

93.5716, 0.3502, 0.4081

Protanopia

93.1092, 0.3325, 0.3526

Deuteranopia

93.4035, 0.3228, 0.3358

Tritanopia

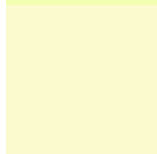
93.4555, 0.3099, 0.3203

Trichromacy



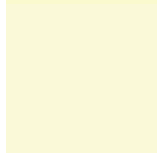
Original Color

93.5716, 0.3502, 0.4081



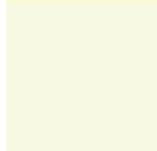
Protanomaly

93.1514, 0.3393, 0.3729



Deuteranomaly

93.0332, 0.3333, 0.3618



Tritanomaly

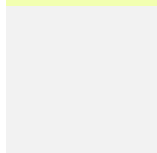
93.0716, 0.3246, 0.3509

Monochromacy



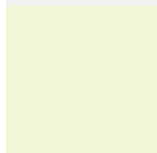
Original Color

93.5716, 0.3502, 0.4081



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.4607, 0.3270, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.5716, 0.3502, 0.4081 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(242, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 177)  
}
```

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(242, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 93.5716, 0.3502, 0.4081 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(242, 255, 177) }
```

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

```
.border{ border-color:rgb(242, 255, 177) }
```

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

Here you see how a box with a 4 pixel rgb(242, 255, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 93.5716, 0.3502, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 177) }
```

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

```
.background{ background-color: rgb(242,  
255, 177) }
```

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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