

Converting Colors

$Y_{xy}(100.0000, 0.3402, 0.3453)$

Have a look what the booklet for
Yxy(100.0000, 0.3402, 0.3453)
contains.

Yxy(95.5144, 0.3261, 0.3455)	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(95.5144, 0.3261, 0.3455)

Conversions

Conversions Part 1

Format	Color
Hex	FFFAE9
RGB	255, 250, 233
RGB Percent	100%, 98%, 91%
CMY	0.0000, 0.0197, 0.0862
CMYK	0.00, 0.02, 0.09, 0.00
HSL	46°, 100%, 96%
HSV	46°, 9%, 100%
XYZ	90.1512, 95.5144, 90.7871
YIQ	249.5570, 8.4370, -4.2270

Conversions

Conversions Part 2

Format	Color
R_{YB}	239, 255, 233
Decimal	16775913
CIE Lab	98.24, -1.15, 8.72
CIE LCh	98, 8.796, 97.486
Yxy	95.5144, 0.3261, 0.3455
Android (android.graphics.Color)	4294965993 (0xFFFFFAE9)
YUV	249.5570, -8.1626, 4.7735
Hunter-Lab	97.7315, -6.3749, 13.3349

Details

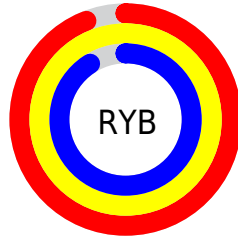
The Yxy color 95.5144, 0.3261, 0.3455 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.7133, 0.2993, 0.3119, and the grayscale version is 95.2711, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.7637, 0.3289, 0.3500 is the 20% darker color. If you saturate the color by 10%, you get 90.5952, 0.3427, 0.3654, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

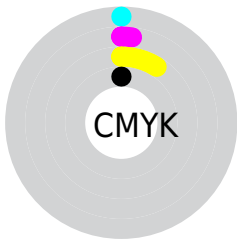
Distribution



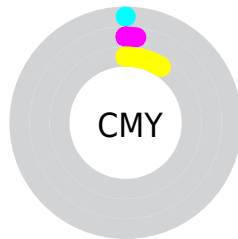
- Red (100%)
- Green (98%)
- Blue (91%)



- Red (94%)
- Yellow (100%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.5144, 0.3261, 0.3455 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 95.5144, 0.3261, 0.3455 by changing the saturation by 10% instead.


 95.5144, 0.3261,
0.3455

 95.5144, 0.3261,
0.3455


545.8105, 0.3202,
0.3382

 72.5632, 0.3274,
0.3471


154.9751, 0.3241,
0.3430

 53.6189, 0.3289,
0.3490


192.2533, 0.3233,
0.3421

 38.2970, 0.3308,
0.3514


235.0760, 0.3226,
0.3412

 26.2133, 0.3333,
0.3544

283.8276, 0.3220,
0.3405

 16.9833, 0.3365,
0.3584

338.8925, 0.3215,
0.3398

 10.2226, 0.3408,
0.3639

400.6550, 0.3210,

 5.5468, 0.3470,

0.3392

0.3718

469.4995, 0.3206,
0.3387

■ 2.5715, 0.3568,
0.3842

■ 0.9124, 0.3930,
0.4274

■ 95.5144, 0.3261,
0.3455

■ 95.5144, 0.3261,
0.3455

■ 90.5952, 0.3427,
0.3654

100.0000, 0.3127,
0.3290

■ 85.9952, 0.3604,
0.3857

■ 81.6966, 0.3788,
0.4056

■ 77.6879, 0.3973,
0.4244

■ 73.9568, 0.4153,
0.4410

■ 70.4895, 0.4319,
0.4543

■ 67.2704, 0.4463,
0.4634

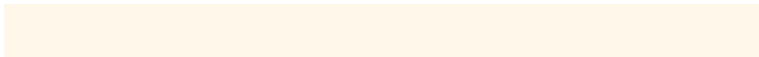
■ 64.2813, 0.4578,
0.4676

■ 61.4966, 0.4663,
0.4673

Harmonies

Analogous

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



95.5144, 0.3311, 0.3413



95.5144, 0.3261, 0.3455



95.5144, 0.3175, 0.3452

Triad

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



95.5144, 0.3261, 0.3455



95.5144, 0.2946, 0.3236



95.5144, 0.3175, 0.3181

Complementary

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



95.5144, 0.3261, 0.3455



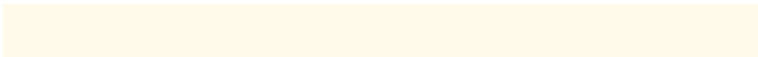
85.7133, 0.2993, 0.3119

Split Complementary

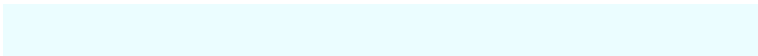
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.5144, 0.3077, 0.3134



95.5144, 0.3261, 0.3455



95.5144, 0.2946, 0.3164

Square

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



95.5144, 0.3261, 0.3455



95.5144, 0.2994, 0.3324



95.5144, 0.2994, 0.3128



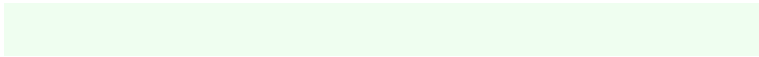
95.5144, 0.3262, 0.3255

Rectangle

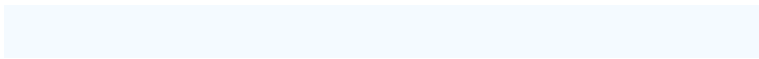
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.5144, 0.3261, 0.3455



95.5144, 0.3110, 0.3424



95.5144, 0.2994, 0.3128



95.5144, 0.3143, 0.3161

Sweetspot

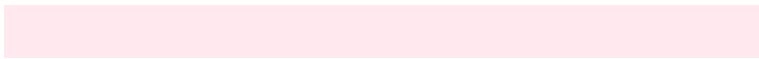
The Sweet Spot groups the original color and five complimentary colors.



95.5073, 0.3261, 0.3455



98.4090, 0.3172, 0.3347



85.7293, 0.3244, 0.3240



20.9736, 0.3185, 0.3362



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.



95.5073, 0.3261, 0.3455



94.8109, 0.3283, 0.3482



97.5693, 0.3218, 0.3505



20.3468, 0.3275, 0.3472



32.1749, 0.4665, 0.4678



3.2961, 0.4600, 0.4730

Inverse Universe

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



85.7133, 0.2993, 0.3119



83.5576, 0.2971, 0.3090



83.8374, 0.3031, 0.3071



18.0496, 0.2979, 0.3101



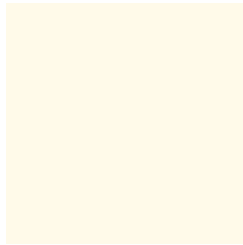
5.5453, 0.1567, 0.0842



0.6961, 0.1623, 0.1044

Previews

White Background



This preview shows how the Yxy color 95.5144, 0.3261, 0.3455 looks on a white background.

Color Contrast Check

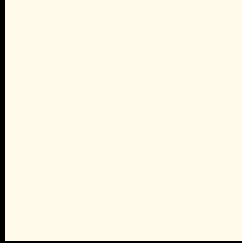
Large Text (above 18pt) WCAG AA × Fail

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 95.5144, 0.3261, 0.3455 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 95.5144, 0.3261, 0.3455

Background



This preview shows how black text looks on a background with the Yxy color 95.5144, 0.3261, 0.3455.

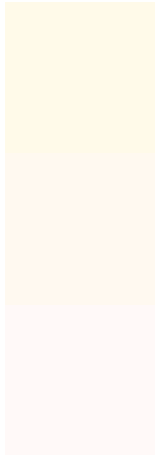


This preview shows how white text looks on a background with the Yxy color 95.5144, 0.3261, 0.3455.

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

95.5144, 0.3261, 0.3455

Protanopia

95.3026, 0.3219, 0.3377

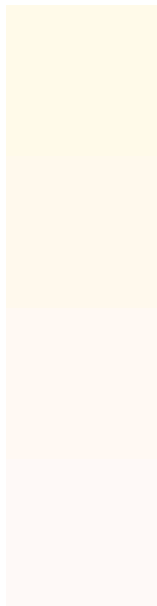
Deuteranopia

95.7887, 0.3171, 0.3300

Tritanopia

95.2374, 0.3118, 0.3223

Trichromacy



Original Color

95.5144, 0.3261, 0.3455

Protanomaly

95.1258, 0.3237, 0.3407

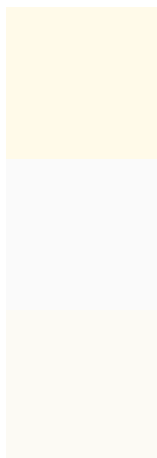
Deuteranomaly

95.4824, 0.3201, 0.3348

Tritanomaly

95.5376, 0.3171, 0.3309

Monochromacy



Original Color

95.5144, 0.3261, 0.3455

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

95.5983, 0.3175, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.5144, 0.3261, 0.3455 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(255, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 233)  
}
```

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(255, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 233) }
```

Border

The CSS property to change the border of an element to Yxy 95.5144, 0.3261, 0.3455 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(255, 250, 233) }
```

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

```
.border{ border-color:rgb(255, 250, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 95.5144, 0.3261, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 233) }
```

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

```
.background{ background-color: rgb(255,  
250, 233) }
```

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