

# Converting Colors

$Yxy(95.5063, 0.3297, 0.3520)$

Have a look what the booklet for  
Yxy(95.5063, 0.3297, 0.3520)  
contains.

<b>Yxy(95.8004, 0.3296, 0.3524)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(95.8004, 0.3296, 0.3524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBE3
RGB	255, 251, 227
RGB Percent	100%, 98%, 89%
CMY	0.0000, 0.0157, 0.1098
CMYK	0.00, 0.02, 0.11, 0.00
HSL	51°, 100%, 95%
HSV	51°, 11%, 100%
XYZ	89.6022, 95.8004, 86.4487
YIQ	249.4600, 10.0880, -6.6160

# Conversions

## Conversions Part 2

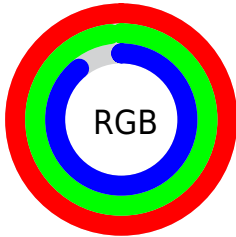
Format	Color
R <sub>Y</sub> B	232, 255, 227
Decimal	16776163
CIE Lab	98.35, -2.64, 11.97
CIE LCh	98, 12.252, 102.425
Yxy	95.8004, 0.3296, 0.3524
Android (android.graphics.Color)	4294966243 (0xFFFFFBE3)
YUV	249.4600, -11.0728, 4.8586
Hunter-Lab	97.8777, -7.8780, 16.1475

# Details

The Yxy color 95.8004, 0.3296, 0.3524 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.7052, 0.2954, 0.3045, and the grayscale version is 95.2191, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0145, 0.3326, 0.3575 is the 20% darker color. If you saturate the color by 10%, you get 92.2492, 0.3459, 0.3745, and if you desaturate by 10%, it is 99.6122, 0.3142, 0.3310.

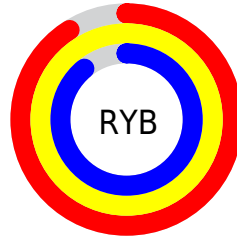
# Distribution



Red (100%)

Green (98%)

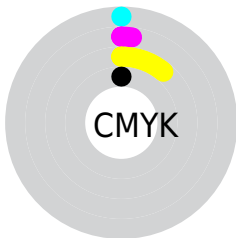
Blue (89%)



Red (91%)

Yellow (100%)

Blue (89%)

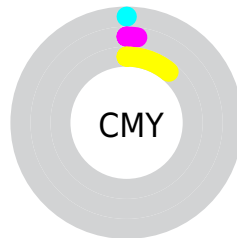


Cyan (0%)

Magenta (2%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.8004, 0.3296, 0.3524 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 95.8004, 0.3296, 0.3524 by changing the saturation by 10% instead.




 95.8004, 0.3296,  
0.3524

 95.8004, 0.3296,  
0.3524

546.7242, 0.3222,  
0.3420

 72.8013, 0.3312,  
0.3547

155.3699, 0.3271,  
0.3489

 53.8135, 0.3331,  
0.3574


192.7092, 0.3261,  
0.3475

 38.4526, 0.3355,  
0.3608


235.5973, 0.3252,  
0.3463

 26.3342, 0.3386,  
0.3651

284.4186, 0.3245,  
0.3452

 17.0738, 0.3425,  
0.3708

339.5575, 0.3238,  
0.3443

 10.2871, 0.3478,  
0.3786

401.3985, 0.3232,

 5.5897, 0.3554,

0.3435

0.3898

470.3260, 0.3227,  
0.3427

■ 2.5973, 0.3670,  
0.4075

■ 0.9253, 0.4264,  
0.4844

■ 95.8004, 0.3296,  
0.3524

■ 95.8004, 0.3296,  
0.3524

■ 92.2492, 0.3459,  
0.3745

99.6122, 0.3142,  
0.3310

■ 88.9366, 0.3628,  
0.3966

99.9994, 0.3127,  
0.3290

■ 85.8567, 0.3797,  
0.4181

■ 82.9987, 0.3961,  
0.4379

■ 80.3506, 0.4112,  
0.4551

■ 77.8991, 0.4244,  
0.4686

■ 75.6289, 0.4350,  
0.4777

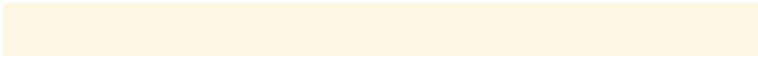
■ 73.5218, 0.4427,  
0.4822

■ 71.7345, 0.4475,  
0.4829

# Harmonies

## Analogous

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



95.8004, 0.3377, 0.3474



95.8004, 0.3296, 0.3524



95.8004, 0.3171, 0.3510

# Triad

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



95.8004, 0.3296, 0.3524



95.8004, 0.2872, 0.3194



95.8004, 0.3216, 0.3154

# Complementary

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



95.8004, 0.3296, 0.3524



80.7052, 0.2954, 0.3045

# Split Complementary

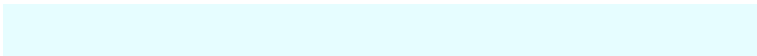
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.8004, 0.3079, 0.3082



95.8004, 0.3296, 0.3524



95.8004, 0.2883, 0.3102

# Square

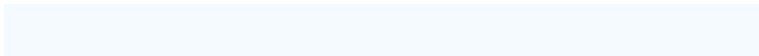
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.8004, 0.3296, 0.3524



95.8004, 0.2927, 0.3316



95.8004, 0.2958, 0.3063



95.8004, 0.3330, 0.3260



# Rectangle

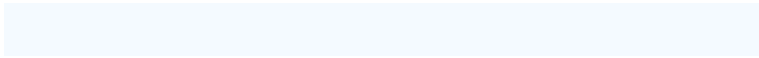
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.8004, 0.3296, 0.3524



95.8004, 0.3080, 0.3464



95.8004, 0.2958, 0.3063



95.8004, 0.3171, 0.3125

# Sweetspot

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



95.8046, 0.3296, 0.3524



98.8231, 0.3172, 0.3353



81.9852, 0.3296, 0.3249



21.0857, 0.3184, 0.3370



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.



95.8046, 0.3296, 0.3524



95.0672, 0.3328, 0.3568



96.5135, 0.3228, 0.3567



20.6231, 0.3273, 0.3492



37.6532, 0.4470, 0.4833



3.7819, 0.4433, 0.4862



# Inverse Universe

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



80.7052, 0.2954, 0.3045



77.4327, 0.2920, 0.2996



80.1354, 0.3018, 0.3009



17.7954, 0.2979, 0.3080



4.5688, 0.1531, 0.0712

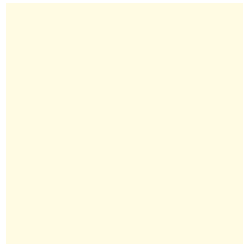


0.5646, 0.1577, 0.0875



# Previews

## White Background



This preview shows how the Yxy color 95.8004, 0.3296, 0.3524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

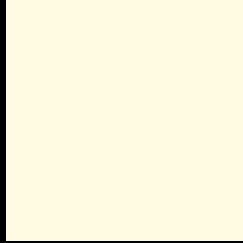
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.8004, 0.3296, 0.3524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

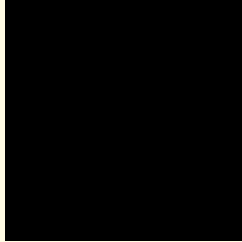
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.8004, 0.3296, 0.3524**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.8004, 0.3296, 0.3524.

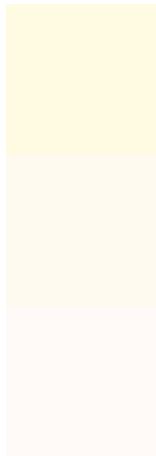


This preview shows how white text looks on a background with the Yxy color 95.8004, 0.3296, 0.3524.

# 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

95.8004, 0.3296, 0.3524

### Protanopia

95.8632, 0.3224, 0.3397

### Deuteranopia

95.7268, 0.3177, 0.3309

## Tritanopia

96.0422, 0.3124, 0.3233

# Trichromacy



## Original Color

95.8004, 0.3296, 0.3524

## Protanomaly

95.6294, 0.3249, 0.3436

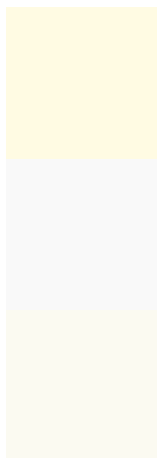
## Deuteranomaly

95.9225, 0.3218, 0.3387

## Tritanomaly

96.0346, 0.3182, 0.3338

# Monochromacy



## Original Color

95.8004, 0.3296, 0.3524

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.2313, 0.3187, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.8004, 0.3296, 0.3524 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, 251, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 227)  
}
```

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, 251, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 95.8004, 0.3296, 0.3524 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, 251, 227) }
```

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

```
.border{ border-color:rgb(255, 251, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.8004, 0.3296, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 227) }
```

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

```
.background{ background-color: rgb(255,  
251, 227) }
```

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