

# Converting Colors

Yxy(96.4554, 0.3227, 0.3568)

Have a look what the booklet for  
Yxy(96.4554, 0.3227, 0.3568)  
contains.

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# **Color**

**Yxy(96.4785, 0.3227, 0.3567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFE3
RGB	245, 255, 227
RGB Percent	96%, 100%, 89%
CMY	0.0392, 0.0000, 0.1097
CMYK	0.04, 0.00, 0.11, 0.00
HSL	81°, 100%, 95%
HSV	81°, 11%, 100%
XYZ	87.2823, 96.4785, 86.7143
YIQ	248.8180, 3.0280, -10.8280

# Conversions

## Conversions Part 2

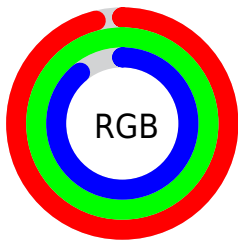
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 255, 237
Decimal	16121827
CIE <sub>Lab</sub>	98.62, -8.06, 12.24
CIE <sub>LCh</sub>	99, 14.658, 123.381
Yxy	96.4785, 0.3227, 0.3567
Android (android.graphics.Color)	4294311907 (0xFFFF5FFE3)
YUV	248.8180, -10.7563, -3.3484
Hunter-Lab	98.2235, -13.2742, 16.4136

# Details

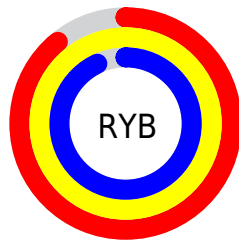
The Yxy color **96.4785, 0.3227, 0.3567** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80.1844, 0.3019, 0.3009**, and the grayscale version is **94.6626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.1855, 0.3247, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **93.5729, 0.3318, 0.3837**, and if you desaturate by 10%, it is **99.6746, 0.3136, 0.3314**.

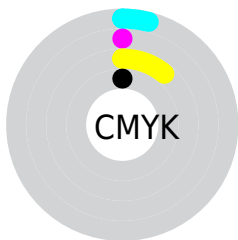
# Distribution



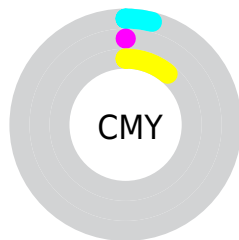
- Red (96%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4785, 0.3227, 0.3567 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 96.4785, 0.3227, 0.3567 by changing the saturation by 10% instead.



 96.4785, 0.3227,  
0.3567

 96.4785, 0.3227,  
0.3567


548.8875, 0.3184,  
0.3443

 73.3661, 0.3236,  
0.3594


156.3056, 0.3213,  
0.3525

 54.2754, 0.3247,  
0.3627


193.7892, 0.3207,  
0.3508

 38.8219, 0.3261,  
0.3668


236.8320, 0.3202,  
0.3494

 26.6212, 0.3277,  
0.3721

285.8183, 0.3197,  
0.3481

 17.2889, 0.3299,  
0.3790

341.1326, 0.3194,  
0.3470

 10.4407, 0.3327,  
0.3886

403.1594, 0.3190,

 5.6921, 0.3366,

0.3460

0.4027

472.2828, 0.3187,  
0.3451

■ 2.6588, 0.3421,  
0.4252

■ 0.9563, 0.3839,  
0.5168

■ 96.4785, 0.3227,  
0.3567

■ 96.4785, 0.3227,  
0.3567

■ 93.5729, 0.3318,  
0.3837

99.6746, 0.3136,  
0.3314

■ 90.9459, 0.3405,  
0.4118

100.0000, 0.3127,  
0.3290

■ 88.5871, 0.3485,  
0.4403

■ 86.4847, 0.3552,  
0.4681

■ 84.6256, 0.3601,  
0.4939

■ 82.9956, 0.3627,  
0.5164

■ 81.5784, 0.3629,  
0.5344

■ 80.3545, 0.3605,  
0.5473

■ 79.3890, 0.3567,  
0.5550

# Harmonies

## Analogous

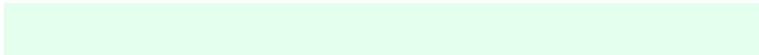
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4785, 0.3365, 0.3559



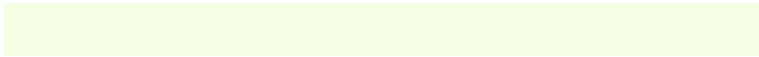
96.4785, 0.3227, 0.3567



96.4785, 0.3065, 0.3496

# Triad

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



96.4785, 0.3227, 0.3567



96.4785, 0.2824, 0.3093



96.4785, 0.3334, 0.3213

# Complementary

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



96.4785, 0.3227, 0.3567



80.1844, 0.3019, 0.3009

# Split Complementary

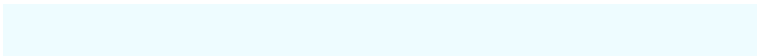
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4785, 0.3184, 0.3097



96.4785, 0.3227, 0.3567



96.4785, 0.2891, 0.3026

# Square

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



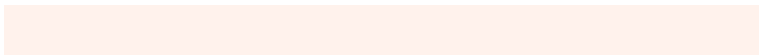
96.4785, 0.3227, 0.3567



96.4785, 0.2835, 0.3216



96.4785, 0.3022, 0.3029

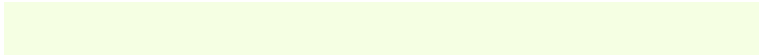


96.4785, 0.3428, 0.3351

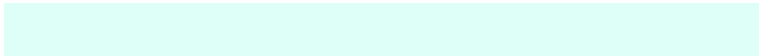


# Rectangle

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



96.4785, 0.3227, 0.3567



96.4785, 0.2965, 0.3413



96.4785, 0.3022, 0.3029



96.4785, 0.3288, 0.3171

# Sweetspot

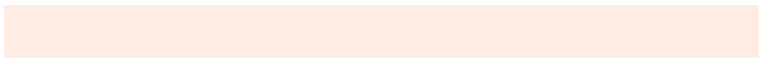
The Sweet Spot groups the original color and five complimentary colors.



96.4790, 0.3227, 0.3567



99.0017, 0.3154, 0.3364



87.2711, 0.3312, 0.3387



21.1343, 0.3162, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

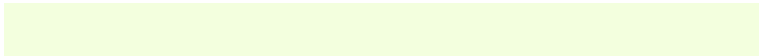


# Same Dimension

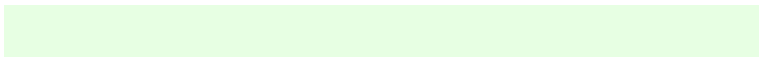
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4790, 0.3227, 0.3567



95.8657, 0.3246, 0.3621



94.0939, 0.3140, 0.3574



20.7467, 0.3214, 0.3529



41.5695, 0.3577, 0.5542



4.1089, 0.3647, 0.5486



# Inverse Universe

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



80.1844, 0.3019, 0.3009



76.8261, 0.2997, 0.2953



82.6468, 0.3111, 0.3017



17.6939, 0.3035, 0.3048



5.0166, 0.1777, 0.0753

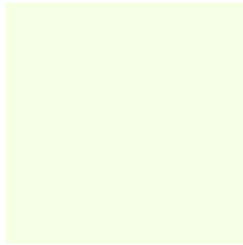


0.5472, 0.1901, 0.0821



# Previews

## White Background



This preview shows how the Yxy color 96.4785, 0.3227, 0.3567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

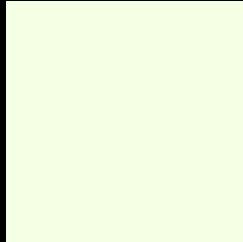
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.4785, 0.3227, 0.3567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

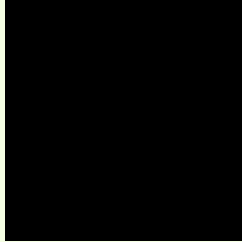
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

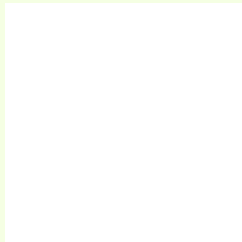
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.4785, 0.3227, 0.3567**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.4785, 0.3227, 0.3567.

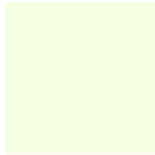


This preview shows how white text looks on a background with the Yxy color 96.4785, 0.3227, 0.3567.

# 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

96.4785, 0.3227, 0.3567



### Protanopia

96.6052, 0.3212, 0.3387

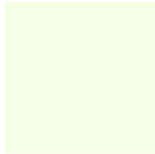
### Deuteranopia

96.4085, 0.3171, 0.3309

## **Tritanopia**

96.1004, 0.3104, 0.3242

# Trichromacy



## Original Color

96.4785, 0.3227, 0.3567

## Protanomaly

96.1862, 0.3215, 0.3446

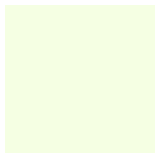
## Deuteranomaly

96.4213, 0.3191, 0.3407

## Tritanomaly

96.3531, 0.3149, 0.3358

# Monochromacy



## Original Color

96.4785, 0.3227, 0.3567

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.3017, 0.3167, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.4785, 0.3227, 0.3567 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(245, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 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(245, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 96.4785, 0.3227, 0.3567 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(245, 255, 227) }
```

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

```
.border{ border-color:rgb(245, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.4785, 0.3227, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 227) }
```

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

```
.background{ background-color: rgb(245,  
255, 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](#).

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