

Converting Colors

$Y_{xy}(100.0000, 0.3157, 0.3511)$

Have a look what the booklet for
Yxy(100.0000, 0.3157, 0.3511)
contains.

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Color

Yxy(96.8675, 0.3162, 0.3467)

Conversions

Conversions Part 1

Format	Color
Hex	F4FFED
RGB	244, 255, 237
RGB Percent	96%, 100%, 93%
CMY	0.0433, 0.0000, 0.0705
CMYK	0.04, 0.00, 0.07, 0.00
HSL	97°, 100%, 96%
HSV	97°, 7%, 100%
XYZ	88.3458, 96.8675, 94.1853
YIQ	249.6590, -0.7780, -7.9300

Conversions

Conversions Part 2

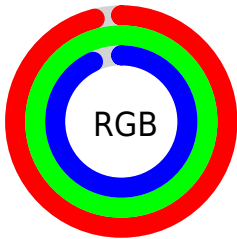
Format	Color
R_{YB}	237, 255, 248
Decimal	16056301
CIE Lab	98.78, -6.76, 7.33
CIE LCh	99, 9.970, 132.703
Yxy	96.8675, 0.3162, 0.3467
Android (android.graphics.Color)	4294246381 (0xFFFF4FFED)
YUV	249.6590, -6.2409, -4.9629
Hunter-Lab	98.4213, -12.0104, 12.1567

Details

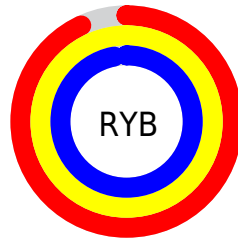
The Yxy color 96.8675, 0.3162, 0.3467 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.7780, 0.3090, 0.3115, and the grayscale version is 95.3455, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4157, 0.3173, 0.3504 is the 20% darker color. If you saturate the color by 10%, you get 92.7895, 0.3211, 0.3739, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

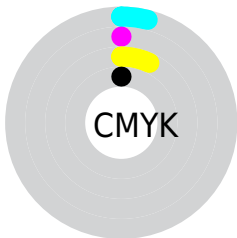
Distribution



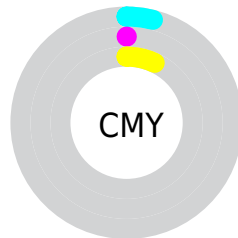
- Red (96%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (97%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.8675, 0.3162, 0.3467 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 96.8675, 0.3162, 0.3467 by changing the saturation by 10% instead.

 96.8675, 0.3162,
0.3467

 96.8675, 0.3162,
0.3467

550.1265, 0.3147,
0.3388

 73.6903, 0.3165,
0.3484

156.8421, 0.3157,
0.3440

 54.5406, 0.3169,
0.3505


194.4083, 0.3155,
0.3430

 39.0340, 0.3173,
0.3531


237.5396, 0.3153,
0.3421

 26.7862, 0.3179,
0.3565

286.6204, 0.3152,
0.3413

 17.4127, 0.3186,
0.3608

342.0351, 0.3150,
0.3405

 10.5292, 0.3196,
0.3669

404.1680, 0.3149,

 5.7512, 0.3209,

0.3399

0.3758

473.4037, 0.3148,
0.3394

■ 2.6944, 0.3228,
0.3900

■ 0.9743, 0.3329,
0.4277

■ 96.8675, 0.3162,
0.3467

■ 96.8675, 0.3162,
0.3467

■ 92.7895, 0.3211,
0.3739

100.0000, 0.3127,
0.3290

■ 89.1534, 0.3256,
0.4034

■ 85.9372, 0.3295,
0.4346

■ 83.1244, 0.3324,
0.4664

■ 80.6968, 0.3340,
0.4974

■ 78.6351, 0.3339,
0.5260

■ 76.9177, 0.3319,
0.5502

■ 75.5200, 0.3281,
0.5686

■ 74.4125, 0.3228,
0.5805

Harmonies

Analogous

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



96.8675, 0.3263, 0.3480



96.8675, 0.3162, 0.3467



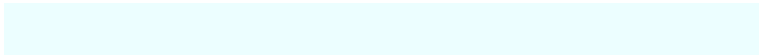
96.8675, 0.3053, 0.3405

Triad

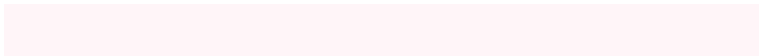
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.8675, 0.3162, 0.3467



96.8675, 0.2929, 0.3138



96.8675, 0.3292, 0.3267

Complementary

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



96.8675, 0.3162, 0.3467



87.7780, 0.3090, 0.3115

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.



96.8675, 0.3200, 0.3180



96.8675, 0.3162, 0.3467



96.8675, 0.2991, 0.3105

Square

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



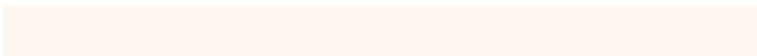
96.8675, 0.3162, 0.3467



96.8675, 0.2919, 0.3212



96.8675, 0.3090, 0.3121



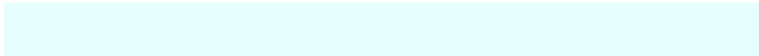
96.8675, 0.3340, 0.3362

Rectangle

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



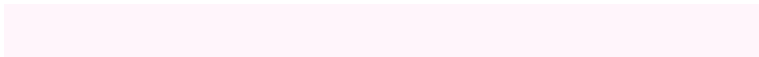
96.8675, 0.3162, 0.3467



96.8675, 0.2990, 0.3344



96.8675, 0.3090, 0.3121



96.8675, 0.3265, 0.3236

Sweetspot

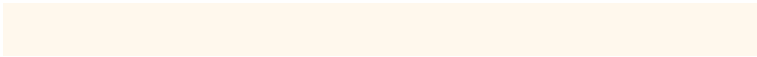
The Sweet Spot groups the original color and five complimentary colors.



96.8613, 0.3162, 0.3467



99.0861, 0.3137, 0.3339



94.3962, 0.3238, 0.3395



21.2181, 0.3137, 0.3336



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.



96.8613, 0.3162, 0.3467



96.4537, 0.3167, 0.3492



95.7521, 0.3108, 0.3451



20.5092, 0.3174, 0.3532



38.8140, 0.3223, 0.5823



3.8398, 0.3311, 0.5753

Inverse Universe

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



87.7780, 0.3090, 0.3115



86.2076, 0.3085, 0.3090



88.9521, 0.3146, 0.3134



17.9305, 0.3076, 0.3051



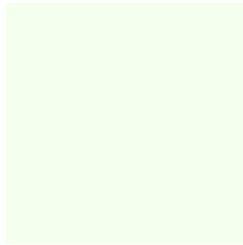
7.5940, 0.2262, 0.1020



0.8024, 0.2369, 0.1078

Previews

White Background



This preview shows how the Yxy color 96.8675, 0.3162, 0.3467 looks on a white background.

Color Contrast Check

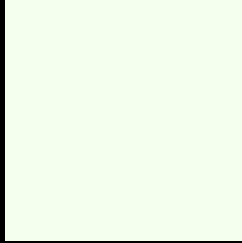
Large Text (above 18pt) WCAG AA × Fail

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 96.8675, 0.3162, 0.3467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

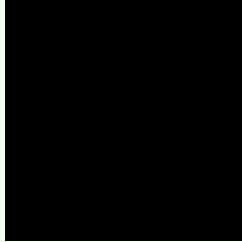
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

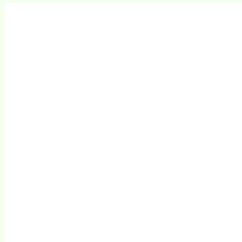
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.8675, 0.3162, 0.3467

Background



This preview shows how black text looks on a background with the Yxy color 96.8675, 0.3162, 0.3467.



This preview shows how white text looks on a background with the Yxy color 96.8675, 0.3162, 0.3467.

Color Blindness Simulation

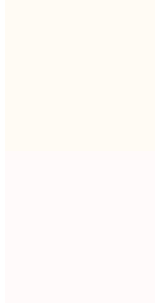
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.8675, 0.3162, 0.3467



Protanopia

96.7860, 0.3194, 0.3357

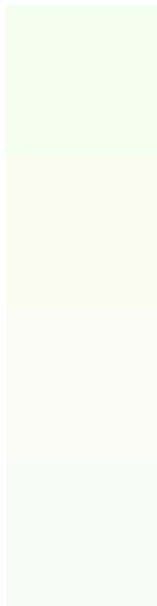
Deuteranopia

96.5333, 0.3159, 0.3290

Tritanopia

96.7236, 0.3104, 0.3252

Trichromacy



Original Color

96.8675, 0.3162, 0.3467

Protanomaly

96.4809, 0.3185, 0.3397

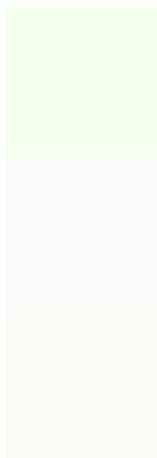
Deuteranomaly

96.7226, 0.3162, 0.3358

Tritanomaly

96.3546, 0.3125, 0.3329

Monochromacy



Original Color

96.8675, 0.3162, 0.3467

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

96.1698, 0.3143, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.8675, 0.3162, 0.3467 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 96.8675, 0.3162, 0.3467 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, 237) }
```

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

```
.border{ border-color:rgb(244, 255, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 96.8675, 0.3162, 0.3467 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, 237) }
```

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

```
.background{ background-color: rgb(244,  
255, 237) }
```

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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