

Converting Colors

$Y_{xy}(170.8571, 0.3113, 0.4287)$

Have a look what the booklet for
Yxy(170.8571, 0.3113, 0.4287)
contains.

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Color

Yxy(96.1040, 0.3167, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	F1FFE9
RGB	241, 255, 233
RGB Percent	95%, 100%, 91%
CMY	0.0549, 0.0000, 0.0864
CMYK	0.05, 0.00, 0.09, 0.00
HSL	98°, 100%, 96%
HSV	98°, 9%, 100%
XYZ	86.7374, 96.1040, 91.0372
YIQ	248.3060, -1.2820, -9.8100

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 255, 247
Decimal	15859689
CIE Lab	98.47, -8.44, 8.95
CIE LCh	98, 12.303, 133.305
Yxy	96.1040, 0.3167, 0.3509
Android (android.graphics.Color)	4294049769 (0xFFFF1FFE9)
YUV	248.3060, -7.5459, -6.4074
Hunter-Lab	98.0326, -13.6239, 13.5637

Details

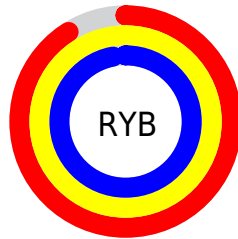
The Yxy color 96.1040, 0.3167, 0.3509 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.2423, 0.3084, 0.3074, and the grayscale version is 94.1907, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8768, 0.3178, 0.3557 is the 20% darker color. If you saturate the color by 10%, you get 92.0219, 0.3212, 0.3786, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

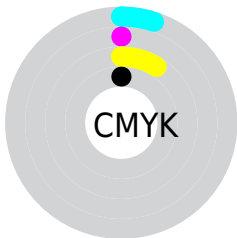
Distribution



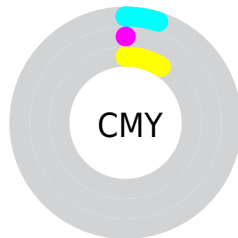
- Red (95%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.1040, 0.3167, 0.3509 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 96.1040, 0.3167, 0.3509 by changing the saturation by 10% instead.


 96.1040, 0.3167,
0.3509

 96.1040, 0.3167,
0.3509

547.6933, 0.3150,
0.3411

 73.0542, 0.3171,
0.3531


155.7889, 0.3161,
0.3476

 54.0203, 0.3175,
0.3557


193.1928, 0.3159,
0.3463

 38.6179, 0.3180,
0.3589


236.1502, 0.3157,
0.3451

 26.4626, 0.3186,
0.3631

285.0455, 0.3155,
0.3441

 17.1700, 0.3194,
0.3686

340.2631, 0.3154,
0.3433

 10.3558, 0.3204,
0.3762

402.1873, 0.3153,

 5.6355, 0.3218,

0.3425

0.3875

471.2026, 0.3151,
0.3418

■ 2.6247, 0.3236,
0.4057

■ 0.9391, 0.3394,
0.4649

■ 96.1040, 0.3167,
0.3509

■ 96.1040, 0.3167,
0.3509

■ 92.0219, 0.3212,
0.3786

100.0000, 0.3127,
0.3290

■ 88.3915, 0.3253,
0.4085

■ 85.1933, 0.3287,
0.4401

■ 82.4096, 0.3312,
0.4722

■ 80.0215, 0.3323,
0.5033

■ 78.0084, 0.3316,
0.5316

■ 76.3475, 0.3292,
0.5552

■ 75.0127, 0.3251,
0.5727

■ 73.9700, 0.3197,
0.5837

Harmonies

Analogous

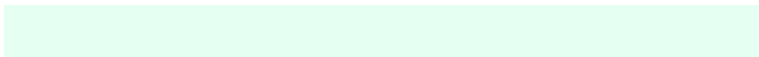
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.1040, 0.3293, 0.3525



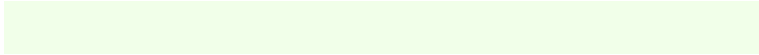
96.1040, 0.3167, 0.3509



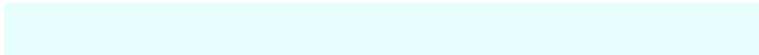
96.1040, 0.3032, 0.3430

Triad

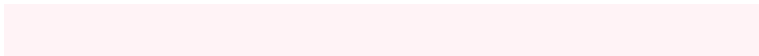
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.1040, 0.3167, 0.3509



96.1040, 0.2883, 0.3100



96.1040, 0.3333, 0.3264

Complementary

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



96.1040, 0.3167, 0.3509



85.2423, 0.3084, 0.3074

Split Complementary

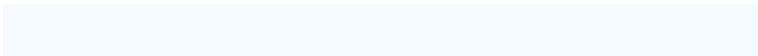
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.1040, 0.3220, 0.3156



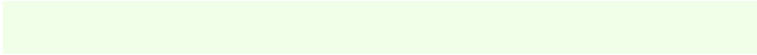
96.1040, 0.3167, 0.3509



96.1040, 0.2960, 0.3062

Square

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



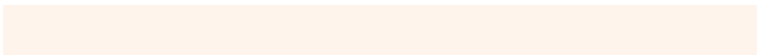
96.1040, 0.3167, 0.3509



96.1040, 0.2870, 0.3191



96.1040, 0.3083, 0.3083



96.1040, 0.3391, 0.3380

Rectangle

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



96.1040, 0.3167, 0.3509



96.1040, 0.2955, 0.3354



96.1040, 0.3083, 0.3083



96.1040, 0.3300, 0.3225

Sweetspot

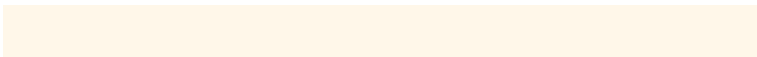
The Sweet Spot groups the original color and five complimentary colors.



96.1009, 0.3167, 0.3509



98.6068, 0.3141, 0.3364



93.6125, 0.3264, 0.3426



21.0278, 0.3145, 0.3384



0.0000, 0.0000, 0.0000



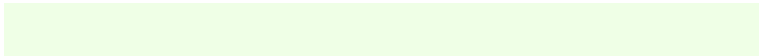
21.4041, 0.3127, 0.3290

Same Dimension

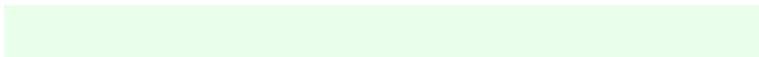
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.1009, 0.3167, 0.3509



95.5207, 0.3173, 0.3545



94.8870, 0.3100, 0.3482



20.4905, 0.3171, 0.3532



38.6630, 0.3201, 0.5840



3.8237, 0.3288, 0.5771

Inverse Universe

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



85.2423, 0.3084, 0.3074



83.0747, 0.3076, 0.3039



86.5469, 0.3156, 0.3105



17.9499, 0.3079, 0.3052



7.8749, 0.2309, 0.1046



0.8286, 0.2411, 0.1102

Previews

White Background



This preview shows how the Yxy color 96.1040, 0.3167, 0.3509 looks on a white background.

Color Contrast Check

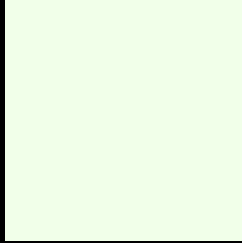
Large Text (above 18pt) WCAG AA × Fail

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 96.1040, 0.3167, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

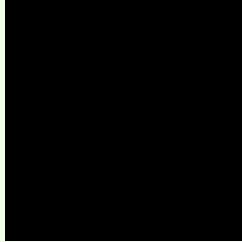
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

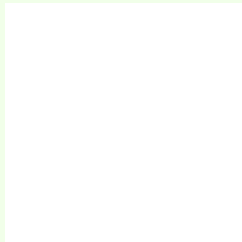
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.1040, 0.3167, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 96.1040, 0.3167, 0.3509.

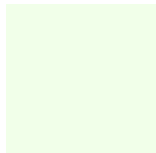


This preview shows how white text looks on a background with the Yxy color 96.1040, 0.3167, 0.3509.

Color Blindness Simulation

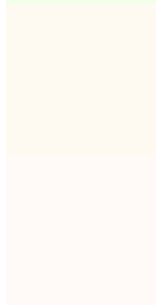
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.1040, 0.3167, 0.3509



Protanopia

95.9821, 0.3212, 0.3377

Deuteranopia

95.7887, 0.3171, 0.3300

Tritanopia

95.9152, 0.3098, 0.3242

Trichromacy



Original Color

96.1040, 0.3167, 0.3509

Protanomaly

96.1178, 0.3197, 0.3427

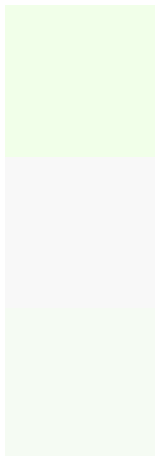
Deuteranomaly

95.7894, 0.3168, 0.3368

Tritanomaly

96.1104, 0.3125, 0.3339

Monochromacy



Original Color

96.1040, 0.3167, 0.3509

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.8779, 0.3136, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.1040, 0.3167, 0.3509 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(241, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 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(241, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 96.1040, 0.3167, 0.3509 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(241, 255, 233) }
```

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

```
.border{ border-color:rgb(241, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 96.1040, 0.3167, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 233) }
```

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

```
.background{ background-color: rgb(241,  
255, 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](#).

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