

Converting Colors

$Yxy(96.5999, 0.3186, 0.3510)$

Have a look what the booklet for
Yxy(96.5999, 0.3186, 0.3510)
contains.

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Color

Yxy(96.6363, 0.3186, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	F4FFE9
RGB	244, 255, 233
RGB Percent	96%, 100%, 91%
CMY	0.0429, 0.0000, 0.0862
CMYK	0.04, 0.00, 0.09, 0.00
HSL	90°, 100%, 96%
HSV	90°, 9%, 100%
XYZ	87.7911, 96.6363, 91.1252
YIQ	249.2030, 0.5060, -9.1740

Conversions

Conversions Part 2

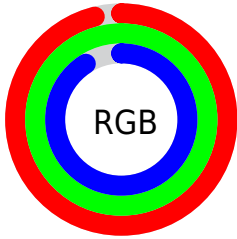
Format	Color
R _Y B	233, 255, 244
Decimal	16056297
CIE Lab	98.68, -7.39, 9.26
CIE LCh	99, 11.845, 128.610
Yxy	96.6363, 0.3186, 0.3507
Android (android.graphics.Color)	4294246377 (0xFF4FFE9)
YUV	249.2030, -7.9881, -4.5630
Hunter-Lab	98.3038, -12.6206, 13.8522

Details

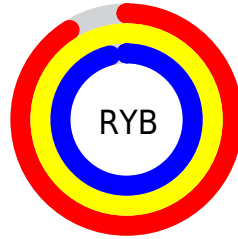
The Yxy color 96.6363, 0.3186, 0.3507 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.7292, 0.3064, 0.3073, and the grayscale version is 94.9832, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2539, 0.3202, 0.3555 is the 20% darker color. If you saturate the color by 10%, you get 93.0936, 0.3254, 0.3779, and if you desaturate by 10%, it is 99.9938, 0.3127, 0.3290.

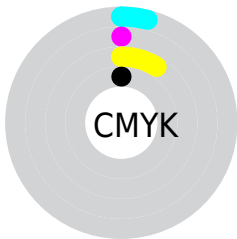
Distribution



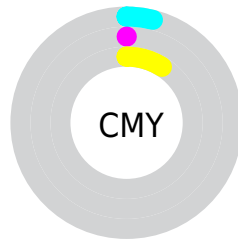
- Red (96%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (96%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (4%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.6363, 0.3186, 0.3507 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 96.6363, 0.3186, 0.3507 by changing the saturation by 10% instead.


 96.6363, 0.3186,
0.3507

 96.6363, 0.3186,
0.3507

549.3903, 0.3161,
0.3410

 73.4976, 0.3191,
0.3528


156.5233, 0.3178,
0.3474

 54.3830, 0.3198,
0.3554


194.0404, 0.3174,
0.3461

 38.9079, 0.3206,
0.3586

237.1191, 0.3171,
0.3450

 26.6881, 0.3215,
0.3627

286.1438, 0.3169,
0.3440

 17.3391, 0.3228,
0.3681

341.4988, 0.3166,
0.3431

 10.4766, 0.3245,
0.3756

403.5687, 0.3164,

 5.7161, 0.3267,

0.3424

0.3866

472.7377, 0.3162,
0.3417

■ 2.6732, 0.3300,
0.4042

■ 0.9636, 0.3498,
0.4596

■ 96.6363, 0.3186,
0.3507

■ 96.6363, 0.3186,
0.3507

■ 93.0936, 0.3254,
0.3779

99.9938, 0.3127,
0.3290

■ 89.9015, 0.3318,
0.4068

■ 87.0513, 0.3375,
0.4369

■ 84.5293, 0.3421,
0.4671

■ 82.3206, 0.3452,
0.4959

■ 80.4090, 0.3462,
0.5220

■ 78.7761, 0.3450,
0.5437

■ 77.4011, 0.3416,
0.5599

■ 76.2553, 0.3364,
0.5705

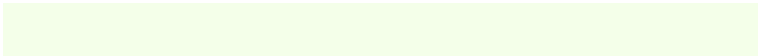
Harmonies

Analogous

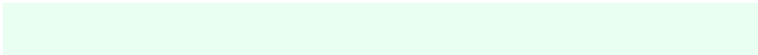
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.6363, 0.3303, 0.3513



96.6363, 0.3186, 0.3507



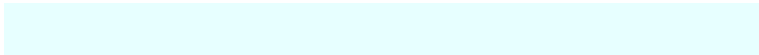
96.6363, 0.3055, 0.3440

Triad

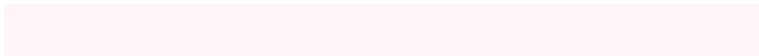
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.6363, 0.3186, 0.3507



96.6363, 0.2887, 0.3118



96.6363, 0.3311, 0.3247

Complementary

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



96.6363, 0.3186, 0.3507



84.7292, 0.3064, 0.3073

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.



96.6363, 0.3196, 0.3147



96.6363, 0.3186, 0.3507



96.6363, 0.2952, 0.3072

Square

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



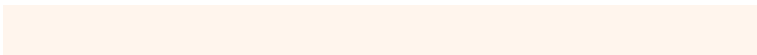
96.6363, 0.3186, 0.3507



96.6363, 0.2884, 0.3212



96.6363, 0.3065, 0.3084



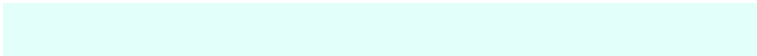
96.6363, 0.3376, 0.3360

Rectangle

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



96.6363, 0.3186, 0.3507



96.6363, 0.2978, 0.3369



96.6363, 0.3065, 0.3084



96.6363, 0.3277, 0.3211

Sweetspot

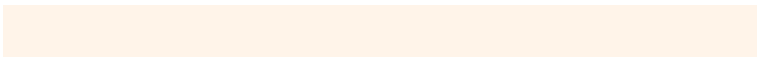
The Sweet Spot groups the original color and five complimentary colors.



96.6405, 0.3186, 0.3507



98.8021, 0.3148, 0.3364



91.6245, 0.3267, 0.3394



21.0804, 0.3153, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

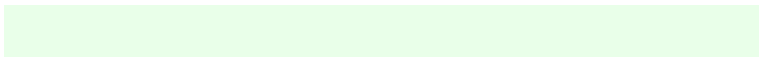
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.6405, 0.3186, 0.3507



96.1373, 0.3195, 0.3543



94.7854, 0.3119, 0.3511



20.6164, 0.3192, 0.3530



39.8616, 0.3368, 0.5708



3.9461, 0.3453, 0.5640

Inverse Universe

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



84.7292, 0.3064, 0.3073



82.4466, 0.3053, 0.3037



86.6937, 0.3135, 0.3078



17.8217, 0.3057, 0.3050



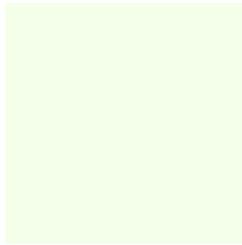
6.2149, 0.2016, 0.0884



0.6700, 0.2139, 0.0952

Previews

White Background



This preview shows how the Yxy color 96.6363, 0.3186, 0.3507 looks on a white background.

Color Contrast Check

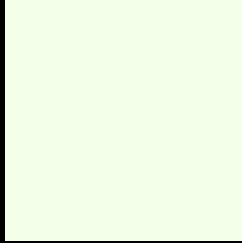
Large Text (above 18pt) WCAG AA × Fail

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 96.6363, 0.3186, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

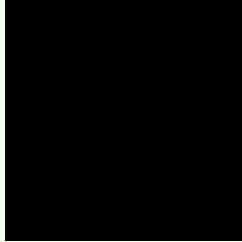
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

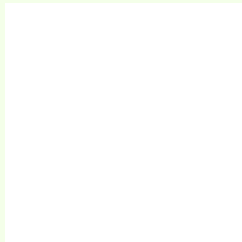
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.6363, 0.3186, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 96.6363, 0.3186, 0.3507.

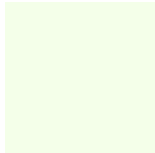


This preview shows how white text looks on a background with the Yxy color 96.6363, 0.3186, 0.3507.

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

96.6363, 0.3186, 0.3507

Protanopia

96.7254, 0.3200, 0.3367

Deuteranopia

96.4708, 0.3165, 0.3300

Tritanopia

96.7236, 0.3104, 0.3252

Trichromacy



Original Color

96.6363, 0.3186, 0.3507

Protanomaly

96.3620, 0.3197, 0.3417

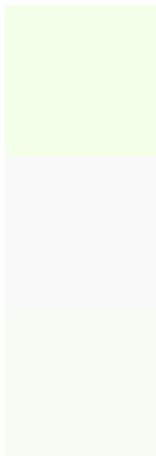
Deuteranomaly

96.6011, 0.3174, 0.3377

Tritanomaly

96.2927, 0.3131, 0.3339

Monochromacy



Original Color

96.6363, 0.3186, 0.3507

Achromatopsia

94.7307, 0.3127, 0.3290

Achromatomaly

95.2396, 0.3149, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.6363, 0.3186, 0.3507 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(244, 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(244, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 96.6363, 0.3186, 0.3507 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, 233) }
```

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

```
.border{ border-color:rgb(244, 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(244, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 96.6363, 0.3186, 0.3507 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, 233) }
```

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

```
.background{ background-color: rgb(244,  
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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