

Converting Colors

$Y_{xy}(100.0000, 0.3177, 0.3572)$

Have a look what the booklet for
Yxy(100.0000, 0.3177, 0.3572)
contains.

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Color

Yxy(96.2234, 0.3179, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFE8
RGB	242, 255, 232
RGB Percent	95%, 100%, 91%
CMY	0.0509, 0.0000, 0.0901
CMYK	0.05, 0.00, 0.09, 0.00
HSL	94°, 100%, 95%
HSV	94°, 9%, 100%
XYZ	86.9512, 96.2234, 90.3428
YIQ	248.4910, -0.3650, -9.9090

Conversions

Conversions Part 2

Format	Color
R _Y B	232, 255, 245
Decimal	15925224
CIE Lab	98.52, -8.24, 9.51
CIE LCh	99, 12.590, 130.908
Yxy	96.2234, 0.3179, 0.3518
Android (android.graphics.Color)	4294115304 (0xFF2FFE8)
YUV	248.4910, -8.1301, -5.6926
Hunter-Lab	98.0935, -13.4393, 14.0602

Details

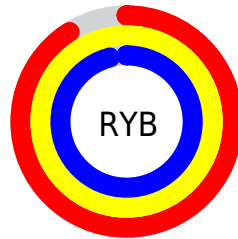
The Yxy color 96.2234, 0.3179, 0.3518 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.3505, 0.3071, 0.3063, and the grayscale version is 94.3665, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.9619, 0.3193, 0.3569 is the 20% darker color. If you saturate the color by 10%, you get 92.4343, 0.3235, 0.3793, and if you desaturate by 10%, it is 99.9986, 0.3127, 0.3290.

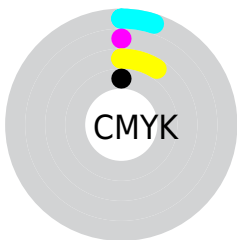
Distribution



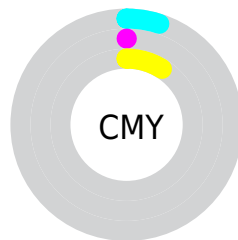
- Red (95%)
- Green (100%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.2234, 0.3179, 0.3518 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 96.2234, 0.3179, 0.3518 by changing the saturation by 10% instead.


 96.2234, 0.3179,
0.3518

 96.2234, 0.3179,
0.3518


548.0742, 0.3157,
0.3416

 73.1536, 0.3184,
0.3540


155.9537, 0.3172,
0.3483

 54.1016, 0.3189,
0.3568


193.3830, 0.3169,
0.3470

 38.6829, 0.3196,
0.3602


236.3676, 0.3166,
0.3458

 26.5131, 0.3204,
0.3645

285.2920, 0.3164,
0.3448

 17.2079, 0.3215,
0.3702

340.5404, 0.3162,
0.3438

 10.3828, 0.3229,
0.3782

402.4973, 0.3160,

 5.6535, 0.3248,

0.3430

0.3898

471.5471, 0.3158,
0.3423

■ 2.6356, 0.3274,
0.4087

■ 0.9446, 0.3474,
0.4719

■ 96.2234, 0.3179,
0.3518

■ 96.2234, 0.3179,
0.3518

■ 92.4343, 0.3235,
0.3793

99.9986, 0.3127,
0.3290

■ 89.0382, 0.3288,
0.4088

■ 86.0246, 0.3334,
0.4397

■ 83.3783, 0.3369,
0.4707

■ 81.0827, 0.3388,
0.5007

■ 79.1195, 0.3390,
0.5277

■ 77.4686, 0.3370,
0.5502

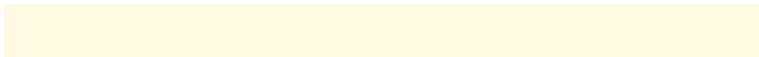
■ 76.1068, 0.3330,
0.5669

■ 75.0023, 0.3275,
0.5777

Harmonies

Analogous

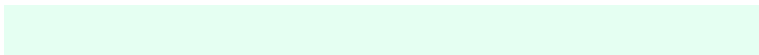
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.2234, 0.3306, 0.3529



96.2234, 0.3179, 0.3518



96.2234, 0.3040, 0.3442

Triad

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



96.2234, 0.3179, 0.3518



96.2234, 0.2874, 0.3101



96.2234, 0.3331, 0.3254

Complementary

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



96.2234, 0.3179, 0.3518



84.3505, 0.3071, 0.3063

Split Complementary

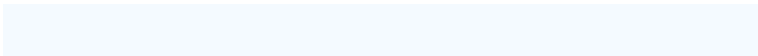
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.2234, 0.3211, 0.3145



96.2234, 0.3179, 0.3518



96.2234, 0.2948, 0.3057

Square

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



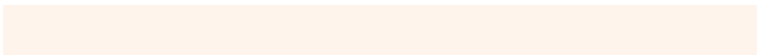
96.2234, 0.3179, 0.3518



96.2234, 0.2867, 0.3197



96.2234, 0.3071, 0.3074



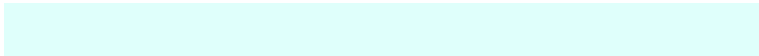
96.2234, 0.3395, 0.3373

Rectangle

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



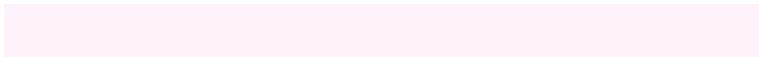
96.2234, 0.3179, 0.3518



96.2234, 0.2960, 0.3365



96.2234, 0.3071, 0.3074



96.2234, 0.3295, 0.3215

Sweetspot

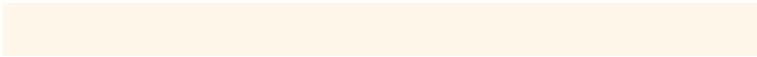
The Sweet Spot groups the original color and five complimentary colors.



96.2276, 0.3179, 0.3518



98.7074, 0.3144, 0.3364



92.1828, 0.3272, 0.3414



21.0549, 0.3149, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

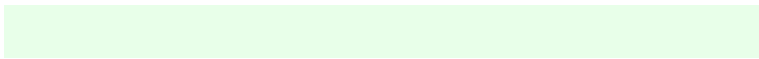
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.2276, 0.3179, 0.3518



95.4436, 0.3190, 0.3571



94.5692, 0.3110, 0.3510



20.5552, 0.3182, 0.3531



39.2242, 0.3281, 0.5777



3.8823, 0.3369, 0.5707

Inverse Universe

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



84.3505, 0.3071, 0.3063



81.1464, 0.3058, 0.3011



86.1265, 0.3145, 0.3079



17.8835, 0.3068, 0.3051



6.9566, 0.2152, 0.0959



0.7420, 0.2267, 0.1022

Previews

White Background



This preview shows how the Yxy color 96.2234, 0.3179, 0.3518 looks on a white background.

Color Contrast Check

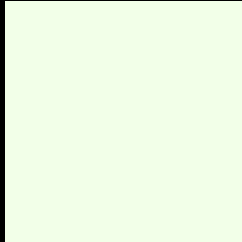
Large Text (above 18pt) WCAG AA × Fail

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 96.2234, 0.3179, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

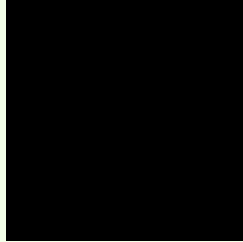
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

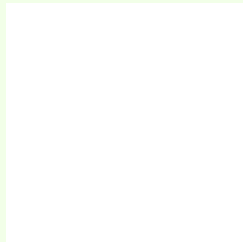
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.2234, 0.3179, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 96.2234, 0.3179, 0.3518.

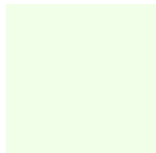


This preview shows how white text looks on a background with the Yxy color 96.2234, 0.3179, 0.3518.

Color Blindness Simulation

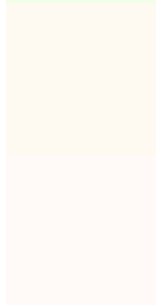
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.2234, 0.3179, 0.3518



Protanopia

95.9821, 0.3212, 0.3377

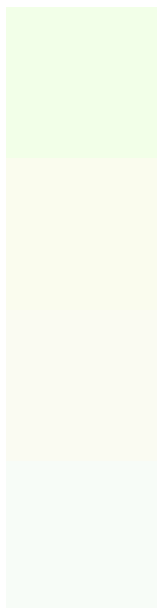
Deuteranopia

95.7887, 0.3171, 0.3300

Tritanopia

95.9152, 0.3098, 0.3242

Trichromacy



Original Color

96.2234, 0.3179, 0.3518

Protanomaly

96.1178, 0.3197, 0.3427

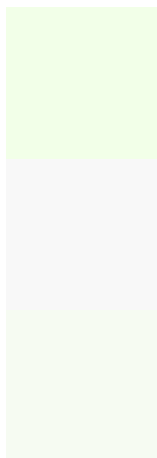
Deuteranomaly

95.7292, 0.3174, 0.3378

Tritanomaly

96.1104, 0.3125, 0.3339

Monochromacy



Original Color

96.2234, 0.3179, 0.3518

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.9980, 0.3148, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.2234, 0.3179, 0.3518 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(242, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 232)  
}
```

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(242, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 96.2234, 0.3179, 0.3518 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(242, 255, 232) }
```

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

```
.border{ border-color:rgb(242, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 96.2234, 0.3179, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 232) }
```

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

```
.background{ background-color: rgb(242,  
255, 232) }
```

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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