

Converting Colors

$Yxy(91.2240, 0.3160, 0.3392)$

Have a look what the booklet for
Yxy(91.2240, 0.3160, 0.3392)
contains.

Yxy(91.4549, 0.3161, 0.3400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(91.4549, 0.3161, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	F2F7EC
RGB	242, 247, 236
RGB Percent	95%, 97%, 93%
CMY	0.0508, 0.0314, 0.0746
CMYK	0.02, 0.00, 0.04, 0.03
HSL	87°, 41%, 95%
HSV	87°, 4%, 97%
XYZ	85.0262, 91.4549, 92.5039
YIQ	244.2510, 0.5510, -4.4810

Conversions

Conversions Part 2

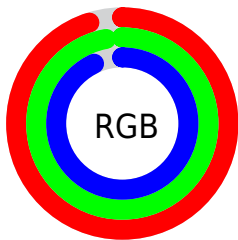
Format	Color
R _Y B	236, 247, 241
Decimal	15923180
CIE Lab	96.60, -3.56, 4.71
CIE LCh	97, 5.905, 127.080
Yxy	91.4549, 0.3161, 0.3400
Android (android.graphics.Color)	4294113260 (0xFFFF2F7EC)
YUV	244.2510, -4.0677, -1.9741
Hunter-Lab	95.6321, -8.6523, 9.5918

Details

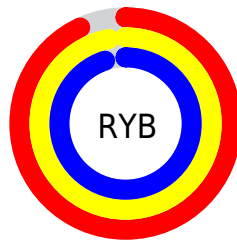
The Yxy color **91.4549, 0.3161, 0.3400** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.3761, 0.3092, 0.3180**, and the grayscale version is **90.7170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9960, 0.3170, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **88.2167, 0.3237, 0.3662**, and if you desaturate by 10%, it is **94.6480, 0.3119, 0.3213**.

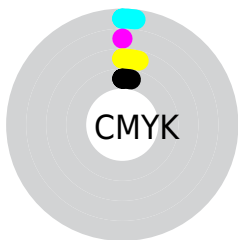
Distribution



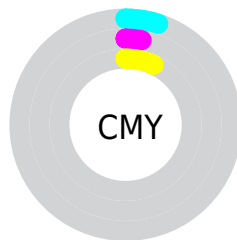
- Red (95%)
- Green (97%)
- Blue (93%)



- Red (93%)
- Yellow (97%)
- Blue (95%)



- Cyan (2%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (5%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.4549, 0.3161, 0.3400 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 91.4549, 0.3161, 0.3400 by changing the saturation by 10% instead.


 91.4549, 0.3161,
0.3400

 91.4549, 0.3161,
0.3400


532.7523, 0.3146,
0.3351

 69.1880, 0.3164,
0.3411


149.3577, 0.3156,
0.3383

 50.8648, 0.3168,
0.3424


185.7623, 0.3154,
0.3377

 36.1010, 0.3173,
0.3441


227.6483, 0.3152,
0.3371

 24.5122, 0.3179,
0.3462

275.4000, 0.3151,
0.3366

 15.7140, 0.3187,
0.3490

329.4019, 0.3149,
0.3362

 9.3220, 0.3198,
0.3528

390.0383, 0.3148,

 4.9518, 0.3214,

0.3358

457.6936, 0.3147,
0.3354

0.3586

2.2190, 0.3239,
0.3680

0.7303, 0.3367,
0.4050

91.4549, 0.3161,
0.3400

91.4549, 0.3161,
0.3400

88.2167, 0.3237,
0.3662

94.6480, 0.3119,
0.3213

85.2820, 0.3311,
0.3941

94.9994, 0.3131,
0.3214

82.6440, 0.3380,
0.4233

80.2911, 0.3440,
0.4529

■ 78.2108, 0.3485,
0.4816

■ 76.3897, 0.3512,
0.5081

■ 74.8126, 0.3516,
0.5310

■ 73.4624, 0.3497,
0.5489

■ 72.3184, 0.3455,
0.5612

Harmonies

Analogous

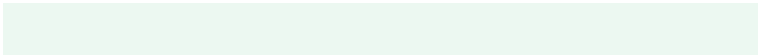
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4549, 0.3219, 0.3402



91.4549, 0.3161, 0.3400



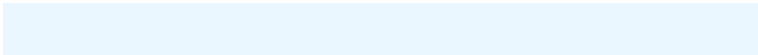
91.4549, 0.3094, 0.3368

Triad

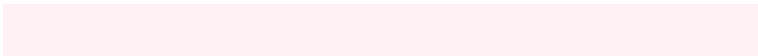
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.4549, 0.3161, 0.3400



91.4549, 0.3003, 0.3205



91.4549, 0.3218, 0.3266

Complementary

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



91.4549, 0.3161, 0.3400



85.3761, 0.3092, 0.3180

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.



91.4549, 0.3159, 0.3215



91.4549, 0.3161, 0.3400



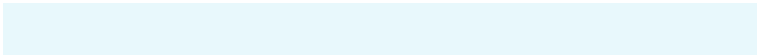
91.4549, 0.3036, 0.3179

Square

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



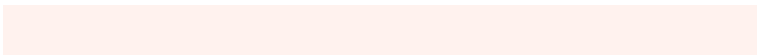
91.4549, 0.3161, 0.3400



91.4549, 0.3004, 0.3254



91.4549, 0.3093, 0.3183



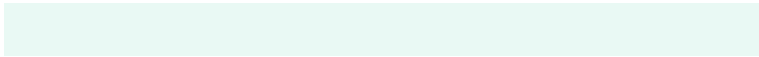
91.4549, 0.3252, 0.3324

Rectangle

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



91.4549, 0.3161, 0.3400



91.4549, 0.3054, 0.3333



91.4549, 0.3093, 0.3183



91.4549, 0.3200, 0.3247

Sweetspot

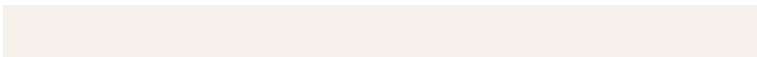
The Sweet Spot groups the original color and five complimentary colors.



91.4588, 0.3161, 0.3400



99.6203, 0.3135, 0.3314



88.5896, 0.3198, 0.3338



21.3268, 0.3134, 0.3313



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.



91.4588, 0.3161, 0.3400



98.1358, 0.3165, 0.3414



90.5277, 0.3127, 0.3401



19.1857, 0.3170, 0.3431



38.0374, 0.3437, 0.5653



3.4041, 0.3527, 0.5581

Inverse Universe

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



85.3761, 0.3092, 0.3180



90.8254, 0.3088, 0.3166



86.3290, 0.3127, 0.3181



17.5658, 0.3082, 0.3149



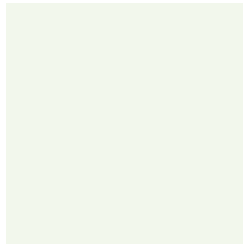
5.4185, 0.1928, 0.0836



0.5363, 0.2066, 0.0912

Previews

White Background



This preview shows how the Yxy color 91.4549, 0.3161, 0.3400 looks on a white background.

Color Contrast Check

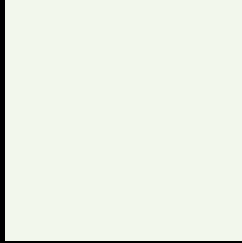
Large Text (above 18pt) WCAG AA × Fail

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 91.4549, 0.3161, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

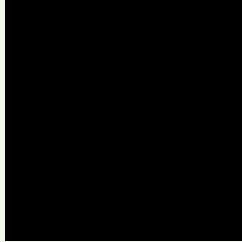
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

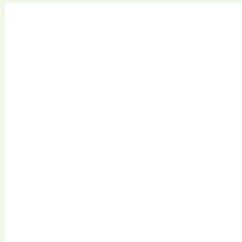
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.4549, 0.3161, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 91.4549, 0.3161, 0.3400.

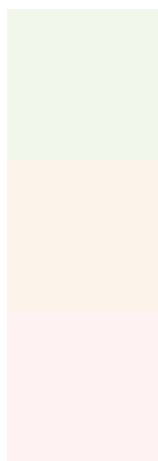


This preview shows how white text looks on a background with the Yxy color 91.4549, 0.3161, 0.3400.

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

91.4549, 0.3161, 0.3400

Protanopia

91.3373, 0.3240, 0.3388

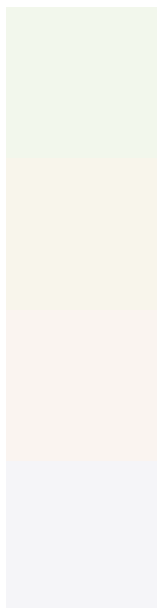
Deuteranopia

91.2353, 0.3206, 0.3281

Tritanopia

91.5142, 0.3075, 0.3183

Trichromacy



Original Color

91.4549, 0.3161, 0.3400

Protanomaly

91.2594, 0.3207, 0.3389

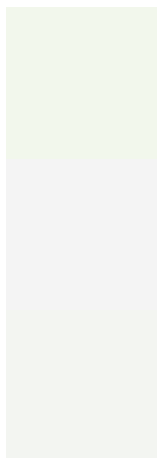
Deuteranomaly

91.3166, 0.3190, 0.3329

Tritanomaly

91.4946, 0.3109, 0.3261

Monochromacy



Original Color

91.4549, 0.3161, 0.3400

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.7104, 0.3138, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.4549, 0.3161, 0.3400 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, 247, 236)` looks like.

```
.text, #text, p{  
    color:rgb(242, 247, 236)  
}
```

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, 247, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 247, 236) }
```

Border

The CSS property to change the border of an element to Yxy 91.4549, 0.3161, 0.3400 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, 247, 236) }
```

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

```
.border{ border-color:rgb(242, 247, 236) }
```

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

Here you see how a box with a 4 pixel rgb(242, 247, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 247, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 247, 236);  
box-shadow:4px 4px 4px 4px rgb(242, 247,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 91.4549, 0.3161, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 247, 236) }
```

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

```
.background{ background-color: rgb(242,  
247, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor