

Converting Colors

$Y_{xy}(100.0000, 0.3134, 0.3580)$

Have a look what the booklet for
Yxy(100.0000, 0.3134, 0.3580)
contains.

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Color

Yxy(95.2361, 0.3135, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFE9
RGB	236, 255, 233
RGB Percent	93%, 100%, 91%
CMY	0.0748, 0.0000, 0.0863
CMYK	0.07, 0.00, 0.09, 0.00
HSL	112°, 100%, 96%
HSV	112°, 9%, 100%
XYZ	85.0371, 95.2361, 90.9775
YIQ	246.8110, -4.2620, -10.8700

Conversions

Conversions Part 2

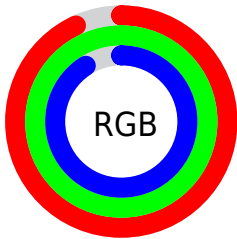
Format	Color
R _Y B	233, 255, 252
Decimal	15532009
CIE Lab	98.13, -10.14, 8.40
CIE LCh	98, 13.165, 140.363
Yxy	95.2361, 0.3135, 0.3511
Android (android.graphics.Color)	4293722089 (0xFFE9FFE9)
YUV	246.8110, -6.8088, -9.4812
Hunter-Lab	97.5890, -15.2394, 13.0391

Details

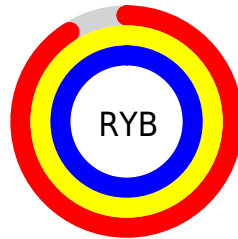
The Yxy color **95.2361, 0.3135, 0.3511** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.1964, 0.3118, 0.3076**, and the grayscale version is **92.8856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.2658, 0.3138, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **90.3169, 0.3142, 0.3796**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

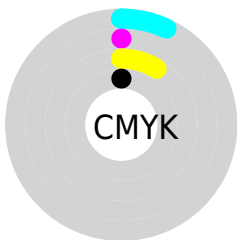
Distribution



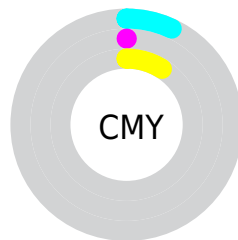
- Red (93%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (99%)



- Cyan (7%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.2361, 0.3135, 0.3511 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 95.2361, 0.3135, 0.3511 by changing the saturation by 10% instead.


 95.2361, 0.3135,
0.3511

 95.2361, 0.3135,
0.3511

544.9206, 0.3132,
0.3412

 72.3315, 0.3135,
0.3533


154.5907, 0.3134,
0.3477

 53.4295, 0.3136,
0.3560


191.8096, 0.3134,
0.3464

 38.1458, 0.3136,
0.3593


234.5686, 0.3134,
0.3453

 26.0958, 0.3137,
0.3635

283.2522, 0.3133,
0.3442

 16.8954, 0.3137,
0.3692

338.2448, 0.3133,
0.3434

 10.1599, 0.3136,
0.3770

399.9308, 0.3133,

 5.5051, 0.3134,

0.3426

0.3886

468.6946, 0.3133,
0.3419

■ 2.5466, 0.3127,
0.4076

■ 0.8999, 0.3198,
0.4736

■ 95.2361, 0.3135,
0.3511

■ 95.2361, 0.3135,
0.3511

■ 90.3169, 0.3142,
0.3796

100.0000, 0.3127,
0.3290

■ 86.0655, 0.3147,
0.4112

■ 82.4392, 0.3147,
0.4450

■ 79.4082, 0.3142,
0.4800

■ 76.9403, 0.3130,
0.5141

■ 75.0003, 0.3112,
0.5449

■ 73.5490, 0.3088,
0.5700

■ 72.5413, 0.3060,
0.5874

■ 71.9208, 0.3032,
0.5968

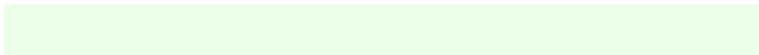
Harmonies

Analogous

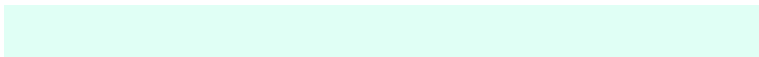
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.2361, 0.3276, 0.3545



95.2361, 0.3135, 0.3511



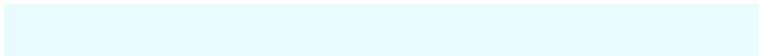
95.2361, 0.2994, 0.3413

Triad

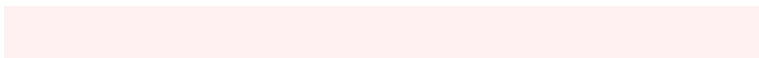
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.2361, 0.3135, 0.3511



95.2361, 0.2880, 0.3071



95.2361, 0.3370, 0.3291

Complementary

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



95.2361, 0.3135, 0.3511



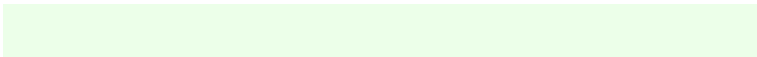
86.1964, 0.3118, 0.3076

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.



95.2361, 0.3259, 0.3171



95.2361, 0.3135, 0.3511



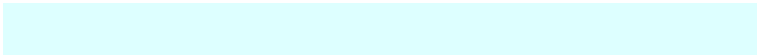
95.2361, 0.2976, 0.3045

Square

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



95.2361, 0.3135, 0.3511



95.2361, 0.2849, 0.3156



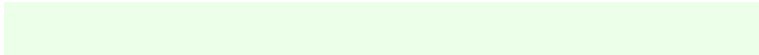
95.2361, 0.3114, 0.3082



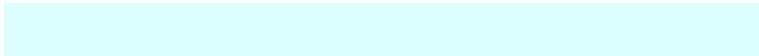
95.2361, 0.3414, 0.3414

Rectangle

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



95.2361, 0.3135, 0.3511



95.2361, 0.2919, 0.3327



95.2361, 0.3114, 0.3082



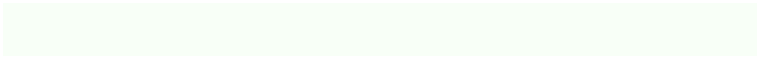
95.2361, 0.3339, 0.3249

Sweetspot

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



95.2209, 0.3135, 0.3511



98.2810, 0.3130, 0.3364



96.8036, 0.3259, 0.3475



20.9401, 0.3131, 0.3384



0.0000, 0.0000, 0.0000



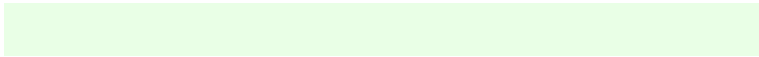
21.4041, 0.3127, 0.3290

Same Dimension

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



95.2209, 0.3135, 0.3511



94.5115, 0.3136, 0.3548



95.1951, 0.3071, 0.3429



20.2841, 0.3136, 0.3534



37.5836, 0.3035, 0.5972



3.6935, 0.3091, 0.5928

Inverse Universe

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



86.1964, 0.3118, 0.3076



84.1571, 0.3116, 0.3042



86.2394, 0.3188, 0.3155



18.1704, 0.3117, 0.3054



11.8548, 0.2874, 0.1357



1.1868, 0.2915, 0.1379

Previews

White Background



This preview shows how the Yxy color 95.2361, 0.3135, 0.3511 looks on a white background.

Color Contrast Check

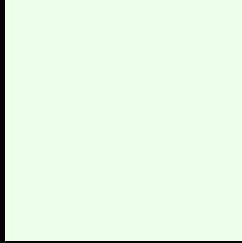
Large Text (above 18pt) WCAG AA × Fail

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 95.2361, 0.3135, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

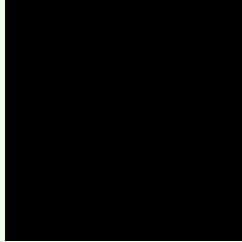
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

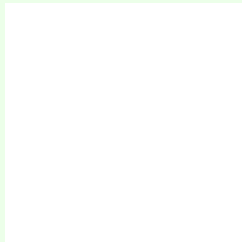
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.2361, 0.3135, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 95.2361, 0.3135, 0.3511.

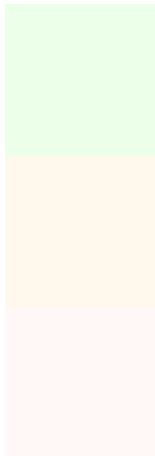


This preview shows how white text looks on a background with the Yxy color 95.2361, 0.3135, 0.3511.

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

95.2361, 0.3135, 0.3511

Protanopia

95.1258, 0.3237, 0.3407

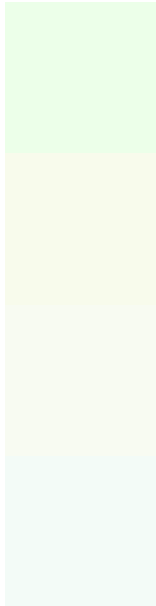
Deuteranopia

95.1102, 0.3178, 0.3300

Tritanopia

94.7455, 0.3080, 0.3232

Trichromacy



Original Color

95.2361, 0.3135, 0.3511

Protanomaly

95.0069, 0.3196, 0.3437

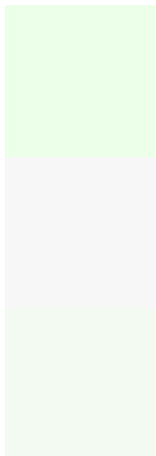
Deuteranomaly

95.3616, 0.3161, 0.3378

Tritanomaly

94.7644, 0.3100, 0.3329

Monochromacy



Original Color

95.2361, 0.3135, 0.3511

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

93.8367, 0.3130, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.2361, 0.3135, 0.3511 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(236, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 233) }
```

Border

The CSS property to change the border of an element to Yxy 95.2361, 0.3135, 0.3511 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(236, 255, 233) }
```

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

```
.border{ border-color:rgb(236, 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(236, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 95.2361, 0.3135, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 233) }
```

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

```
.background{ background-color: rgb(236,  
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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