

Converting Colors

$Y_{xy}(100.0000, 0.3096, 0.3628)$

Have a look what the booklet for
Yxy(100.0000, 0.3096, 0.3628)
contains.

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Color

Yxy(93.7835, 0.3097, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	E4FFE7
RGB	228, 255, 231
RGB Percent	89%, 100%, 91%
CMY	0.1061, 0.0000, 0.0942
CMYK	0.11, 0.00, 0.09, 0.00
HSL	127°, 100%, 95%
HSV	127°, 11%, 100%
XYZ	82.1634, 93.7835, 89.3530
YIQ	244.1910, -8.3880, -13.1880

Conversions

Conversions Part 2

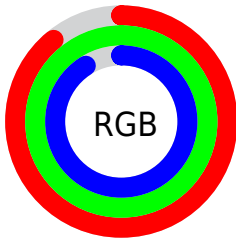
Format	Color
R _Y B	228, 252, 255
Decimal	15007719
CIE Lab	97.54, -13.11, 8.52
CIE LCh	98, 15.639, 146.987
Yxy	93.7835, 0.3097, 0.3535
Android (android.graphics.Color)	4293197799 (0xFFE4FFE7)
YUV	244.1910, -6.5032, -14.1995
Hunter-Lab	96.8419, -18.0289, 13.0843

Details

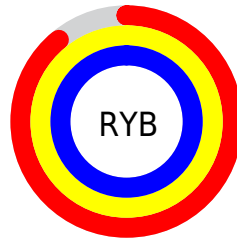
The Yxy color **93.7835, 0.3097, 0.3535** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.7455, 0.3159, 0.3057**, and the grayscale version is **90.6699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.2540, 0.3090, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **88.7095, 0.3068, 0.3797**, and if you desaturate by 10%, it is **99.6187, 0.3125, 0.3303**.

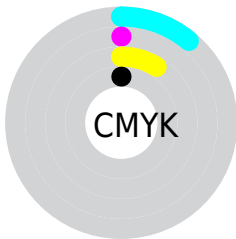
Distribution



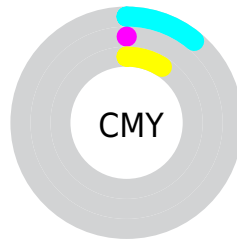
- Red (89%)
- Green (100%)
- Blue (91%)



- Red (89%)
- Yellow (99%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.7835, 0.3097, 0.3535 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 93.7835, 0.3097, 0.3535 by changing the saturation by 10% instead.


 93.7835, 0.3097,
0.3535

 93.7835, 0.3097,
0.3535


540.2631, 0.3111,
0.3425

 71.1229, 0.3094,
0.3560


152.5829, 0.3102,
0.3497

 52.4425, 0.3090,
0.3589


189.4905, 0.3104,
0.3482

 37.3579, 0.3084,
0.3627


231.9158, 0.3106,
0.3470

 25.4847, 0.3077,
0.3675

280.2434, 0.3107,
0.3458

 16.4386, 0.3068,
0.3739

334.8575, 0.3108,
0.3449

 9.8350, 0.3053,
0.3829

396.1425, 0.3109,

 5.2897, 0.3031,

0.3440

0.3963

464.4829, 0.3110,
0.3432

■ 2.4182, 0.2990,
0.4185

■ 0.8352, 0.2919,
0.5147

■ 93.7835, 0.3097,
0.3535

■ 93.7835, 0.3097,
0.3535

■ 88.7095, 0.3068,
0.3797

99.6187, 0.3125,
0.3303

■ 84.3927, 0.3039,
0.4090

100.0000, 0.3127,
0.3290

■ 80.7879, 0.3012,
0.4406

■ 77.8566, 0.2988,
0.4737

■ 75.5568, 0.2971,
0.5065

■ 73.8417, 0.2961,
0.5369

■ 72.6579, 0.2961,
0.5628

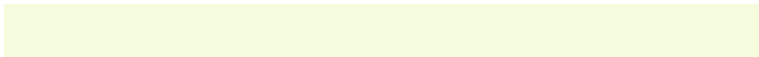
■ 71.9421, 0.2970,
0.5821

■ 71.6064, 0.2982,
0.5936

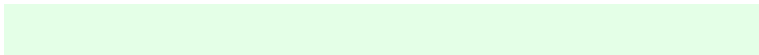
Harmonies

Analogous

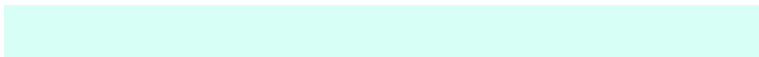
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7835, 0.3270, 0.3594



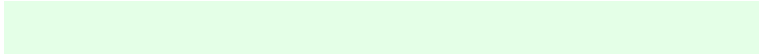
93.7835, 0.3097, 0.3535



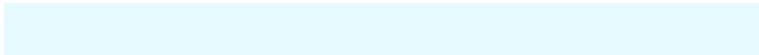
93.7835, 0.2936, 0.3404

Triad

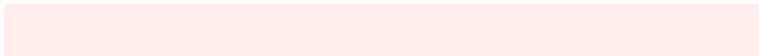
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.7835, 0.3097, 0.3535



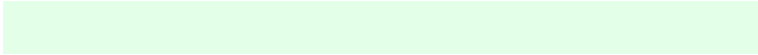
93.7835, 0.2852, 0.3015



93.7835, 0.3437, 0.3324

Complementary

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



93.7835, 0.3097, 0.3535



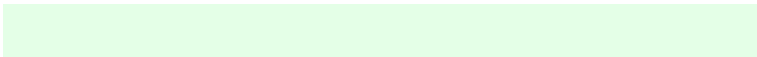
83.7455, 0.3159, 0.3057

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.



93.7835, 0.3319, 0.3178



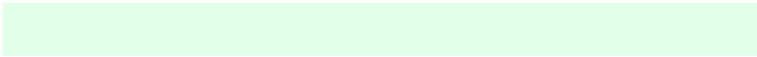
93.7835, 0.3097, 0.3535



93.7835, 0.2980, 0.3002

Square

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



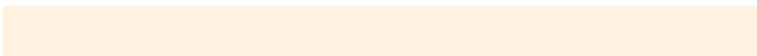
93.7835, 0.3097, 0.3535



93.7835, 0.2797, 0.3101



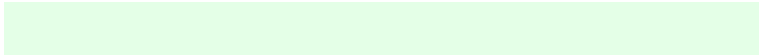
93.7835, 0.3150, 0.3062



93.7835, 0.3469, 0.3466

Rectangle

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



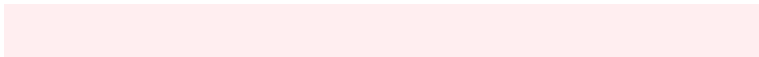
93.7835, 0.3097, 0.3535



93.7835, 0.2855, 0.3297



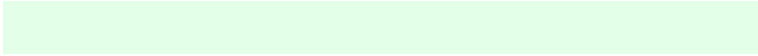
93.7835, 0.3150, 0.3062



93.7835, 0.3406, 0.3274

Sweetspot

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



93.7738, 0.3097, 0.3535



98.1479, 0.3119, 0.3356



97.8692, 0.3268, 0.3554



20.9044, 0.3117, 0.3374



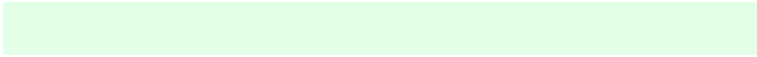
0.0000, 0.0000, 0.0000



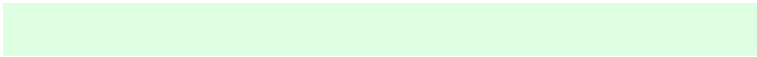
21.4041, 0.3127, 0.3290

Same Dimension

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



93.7738, 0.3097, 0.3535



92.4927, 0.3090, 0.3595



94.5483, 0.3023, 0.3399



20.2012, 0.3100, 0.3508



37.4264, 0.2978, 0.5921



3.6543, 0.2938, 0.5778

Inverse Universe

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



83.7455, 0.3159, 0.3057



80.4064, 0.3166, 0.3003



82.9373, 0.3244, 0.3184



18.2633, 0.3155, 0.3082



14.0057, 0.3514, 0.1709



1.3732, 0.3474, 0.1688

Previews

White Background



This preview shows how the Yxy color 93.7835, 0.3097, 0.3535 looks on a white background.

Color Contrast Check

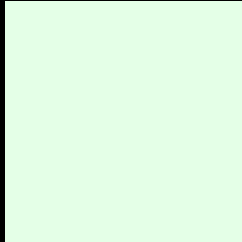
Large Text (above 18pt) WCAG AA × Fail

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 93.7835, 0.3097, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

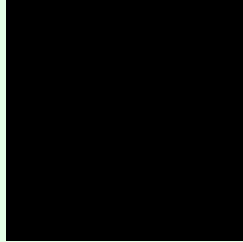
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

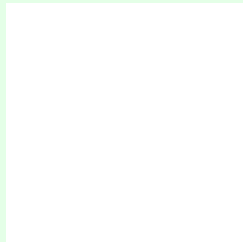
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.7835, 0.3097, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 93.7835, 0.3097, 0.3535.

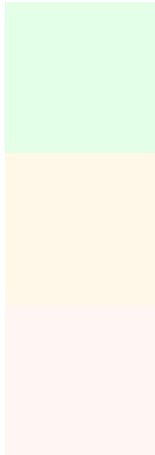


This preview shows how white text looks on a background with the Yxy color 93.7835, 0.3097, 0.3535.

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

93.7835, 0.3097, 0.3535

Protanopia

93.5511, 0.3276, 0.3446

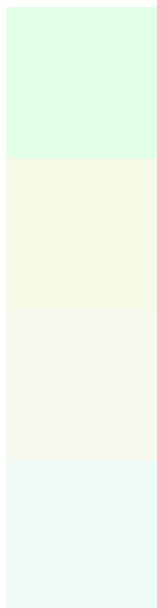
Deuteranopia

93.7032, 0.3197, 0.3310

Tritanopia

93.4095, 0.3055, 0.3221

Trichromacy



Original Color

93.7835, 0.3097, 0.3535

Protanomaly

93.5532, 0.3208, 0.3479

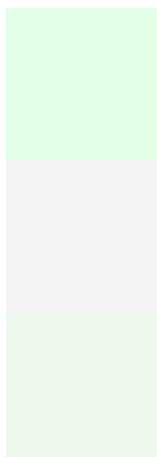
Deuteranomaly

93.3958, 0.3161, 0.3389

Tritanomaly

93.8253, 0.3075, 0.3339

Monochromacy



Original Color

93.7835, 0.3097, 0.3535

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.5439, 0.3117, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.7835, 0.3097, 0.3535 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(228, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 231)  
}
```

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(228, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 93.7835, 0.3097, 0.3535 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(228, 255, 231) }
```

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

```
.border{ border-color:rgb(228, 255, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 93.7835, 0.3097, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 231) }
```

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

```
.background{ background-color: rgb(228,  
255, 231) }
```

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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