

Converting Colors

$Y_{xy}(97.1572, 0.3251, 0.3770)$

Have a look what the booklet for
Yxy(97.1572, 0.3251, 0.3770)
contains.

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Color

Yxy(94.1063, 0.3257, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFD4
RGB	236, 255, 212
RGB Percent	93%, 100%, 83%
CMY	0.0748, 0.0000, 0.1687
CMYK	0.07, 0.00, 0.17, 0.00
HSL	87°, 100%, 92%
HSV	87°, 17%, 100%
XYZ	82.2168, 94.1063, 76.1080
YIQ	244.4170, 2.4790, -17.4010

Conversions

Conversions Part 2

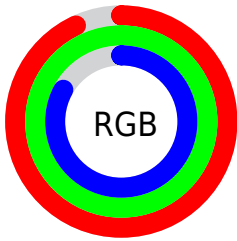
Format	Color
R _Y B	212, 255, 231
Decimal	15531988
CIE Lab	97.67, -13.57, 18.50
CIE LCh	98, 22.941, 126.270
Yxy	94.1063, 0.3257, 0.3728
Android (android.graphics.Color)	4293722068 (0xFFECCFFD4)
YUV	244.4170, -15.9816, -7.3817
Hunter-Lab	97.0084, -18.4819, 21.3899

Details

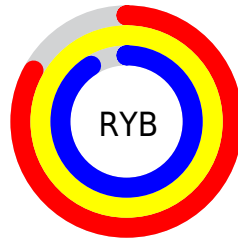
The Yxy color $94.1063, 0.3257, 0.3728$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $71.2983, 0.2979, 0.2849$, and the grayscale version is $90.9277, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $52.5258, 0.3285, 0.3826$ is the 20% darker color. If you saturate the color by 10%, you get $91.0334, 0.3331, 0.4011$, and if you desaturate by 10%, it is $97.4799, 0.3180, 0.3461$.

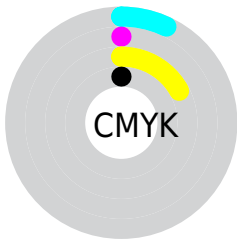
Distribution



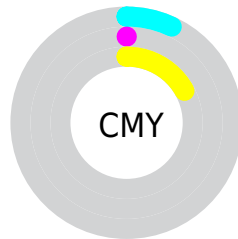
- Red (93%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.1063, 0.3257, 0.3728 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 94.1063, 0.3257, 0.3728 by changing the saturation by 10% instead.


 94.1063, 0.3257,
0.3728

 94.1063, 0.3257,
0.3728


541.2999, 0.3202,
0.3530

 71.3914, 0.3268,
0.3772


153.0293, 0.3239,
0.3660

 52.6616, 0.3282,
0.3826


190.0063, 0.3232,
0.3634

 37.5327, 0.3298,
0.3893


232.5059, 0.3225,
0.3611

 25.6202, 0.3318,
0.3980

280.9128, 0.3219,
0.3590

 16.5397, 0.3342,
0.4094

335.6112, 0.3214,
0.3573

 9.9069, 0.3373,
0.4254

396.9856, 0.3210,

 5.3373, 0.3410,

0.3557

0.4491

465.4204, 0.3206,
0.3543

■ 2.4465, 0.3453,
0.4877

■ 0.8496, 0.3592,
0.6408

■ 94.1063, 0.3257,
0.3728

■ 94.1063, 0.3257,
0.3728

■ 91.0334, 0.3331,
0.4011

■ 97.4799, 0.3180,
0.3461

■ 88.2869, 0.3400,
0.4305

100.0000, 0.3127,
0.3290

■ 85.8418, 0.3457,
0.4599

■ 83.6844, 0.3500,
0.4882

■ 81.7999, 0.3522,
0.5139

■ 80.1716, 0.3521,
0.5355

■ 78.7802, 0.3496,
0.5519

■ 77.6020, 0.3450,
0.5629

■ 77.2664, 0.3434,
0.5656

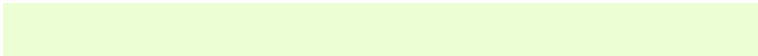
Harmonies

Analogous

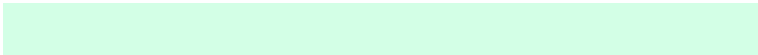
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.1063, 0.3483, 0.3721



94.1063, 0.3257, 0.3728



94.1063, 0.3003, 0.3603

Triad

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



94.1063, 0.3257, 0.3728



94.1063, 0.2660, 0.2963



94.1063, 0.3473, 0.3188

Complementary

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



94.1063, 0.3257, 0.3728



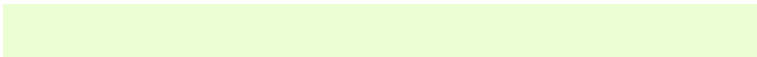
71.2983, 0.2979, 0.2849

Split Complementary

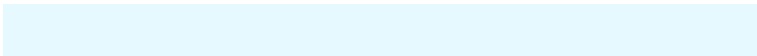
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1063, 0.3239, 0.3005



94.1063, 0.3257, 0.3728



94.1063, 0.2773, 0.2874

Square

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



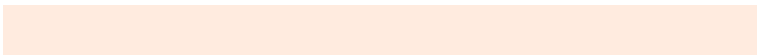
94.1063, 0.3257, 0.3728



94.1063, 0.2665, 0.3147



94.1063, 0.2983, 0.2891



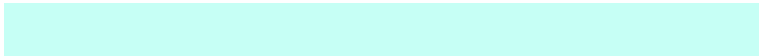
94.1063, 0.3613, 0.3401

Rectangle

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



94.1063, 0.3257, 0.3728



94.1063, 0.2852, 0.3463



94.1063, 0.2983, 0.2891



94.1063, 0.3402, 0.3121

Sweetspot

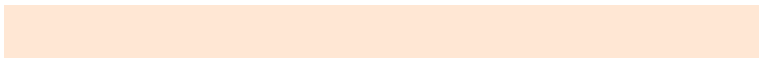
The Sweet Spot groups the original color and five complimentary colors.



94.0938, 0.3257, 0.3728



98.1495, 0.3166, 0.3414



82.9552, 0.3421, 0.3478



20.9538, 0.3171, 0.3432



0.0000, 0.0000, 0.0000



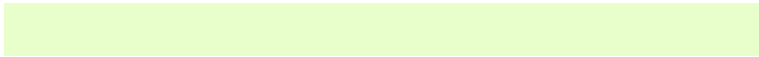
21.4041, 0.3127, 0.3290

Same Dimension

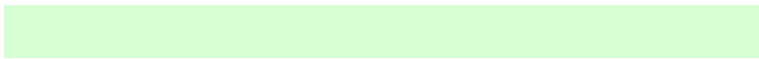
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.0938, 0.3257, 0.3728



93.1008, 0.3281, 0.3815



90.6977, 0.3123, 0.3746



20.6667, 0.3200, 0.3530



40.4634, 0.3445, 0.5647



4.0046, 0.3526, 0.5583

Inverse Universe

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



71.2983, 0.2979, 0.2849



66.6733, 0.2947, 0.2760



75.0203, 0.3126, 0.2868



17.7718, 0.3048, 0.3049



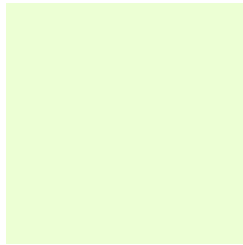
5.6939, 0.1916, 0.0829



0.6179, 0.2041, 0.0898

Previews

White Background



This preview shows how the Yxy color 94.1063, 0.3257, 0.3728 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 94.1063, 0.3257, 0.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

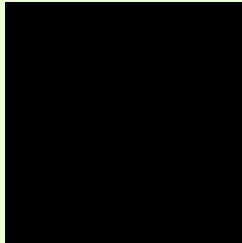
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

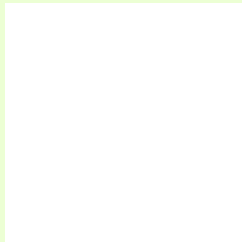
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.1063, 0.3257, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 94.1063, 0.3257, 0.3728.

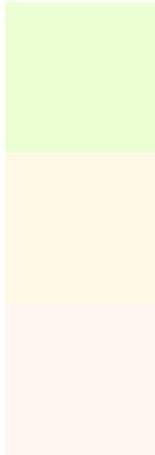


This preview shows how white text looks on a background with the Yxy color 94.1063, 0.3257, 0.3728.

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

94.1063, 0.3257, 0.3728

Protanopia

94.0519, 0.3287, 0.3476

Deuteranopia

93.6426, 0.3203, 0.3319

Tritanopia

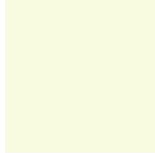
94.1290, 0.3080, 0.3222

Trichromacy



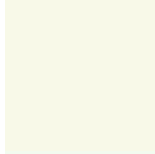
Original Color

94.1063, 0.3257, 0.3728



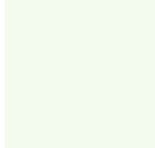
Protanomaly

94.2785, 0.3274, 0.3568



Deuteranomaly

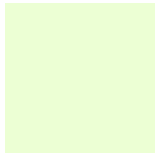
93.5340, 0.3222, 0.3458



Tritanomaly

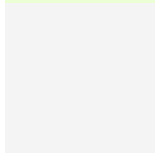
94.2810, 0.3147, 0.3409

Monochromacy



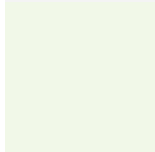
Original Color

94.1063, 0.3257, 0.3728



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.6618, 0.3177, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.1063, 0.3257, 0.3728 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 94.1063, 0.3257, 0.3728 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, 212) }
```

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

```
.border{ border-color:rgb(236, 255, 212) }
```

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, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 94.1063, 0.3257, 0.3728 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, 212) }
```

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

```
.background{ background-color: rgb(236,  
255, 212) }
```

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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