

Converting Colors

$Y_{xy}(141.7653, 0.3209, 0.4306)$

Have a look what the booklet for
Yxy(141.7653, 0.3209, 0.4306)
contains.

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Color

Yxy(93.9563, 0.3275, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFD1
RGB	236, 255, 209
RGB Percent	93%, 100%, 82%
CMY	0.0745, 0.0000, 0.1804
CMYK	0.07, 0.00, 0.18, 0.00
HSL	85°, 100%, 91%
HSV	85°, 18%, 100%
XYZ	81.8587, 93.9563, 74.1352
YIQ	244.0750, 3.4420, -18.3340

Conversions

Conversions Part 2

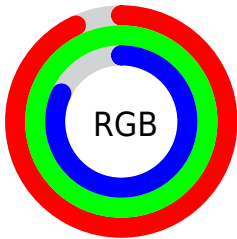
Format	Color
RYB	209, 255, 228
Decimal	15531985
CIELab	97.61, -14.00, 19.94
CIELCh	98, 24.365, 125.082
Yxy	93.9563, 0.3275, 0.3759
Android (android.graphics.Color)	4293722065 (0xFFECCFFD1)
YUV	244.0750, -17.2920, -7.0818
Hunter-Lab	96.9311, -18.8853, 22.5053

Details

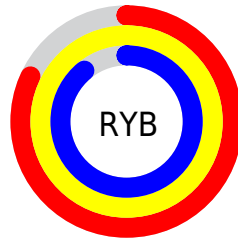
The Yxy color **93.9563, 0.3275, 0.3759** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.3093, 0.2957, 0.2814**, and the grayscale version is **90.6667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4246, 0.3307, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **91.0419, 0.3354, 0.4042**, and if you desaturate by 10%, it is **97.1775, 0.3193, 0.3491**.

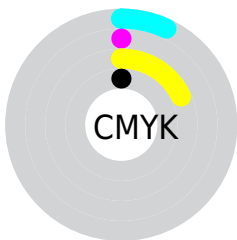
Distribution



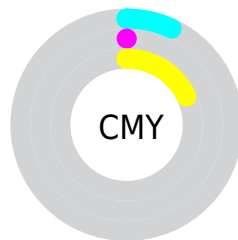
- Red (93%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.9563, 0.3275, 0.3759 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 93.9563, 0.3275, 0.3759 by changing the saturation by 10% instead.


 93.9563, 0.3275,
0.3759

 93.9563, 0.3275,
0.3759


540.8183, 0.3212,
0.3547

 71.2666, 0.3288,
0.3806


152.8219, 0.3254,
0.3686

 52.5598, 0.3303,
0.3864


189.7666, 0.3246,
0.3658

 37.4515, 0.3322,
0.3936


232.2318, 0.3239,
0.3633

 25.5572, 0.3344,
0.4029

280.6018, 0.3232,
0.3612

 16.4927, 0.3372,
0.4152

335.2610, 0.3226,
0.3593

 9.8735, 0.3406,
0.4323

396.5939, 0.3221,

 5.3151, 0.3448,

0.3576

0.4575

464.9849, 0.3217,
0.3561

■ 2.4333, 0.3503,
0.4999

■ 0.8430, 0.3527,
0.6473

■ 93.9563, 0.3275,
0.3759

■ 93.9563, 0.3275,
0.3759

■ 91.0419, 0.3354,
0.4042

■ 97.1775, 0.3193,
0.3491

■ 88.4253, 0.3427,
0.4333

100.0000, 0.3127,
0.3290

■ 86.0936, 0.3488,
0.4622

■ 84.0335, 0.3533,
0.4897

■ 82.2302, 0.3558,
0.5144

■ 80.6676, 0.3558,
0.5349

■ 79.3264, 0.3534,
0.5502

■ 78.1815, 0.3489,
0.5603

■ 77.9738, 0.3479,
0.5619

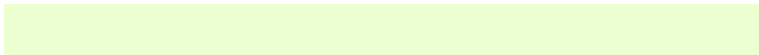
Harmonies

Analogous

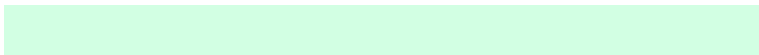
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9563, 0.3513, 0.3745



93.9563, 0.3275, 0.3759



93.9563, 0.3005, 0.3631

Triad

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



93.9563, 0.3275, 0.3759



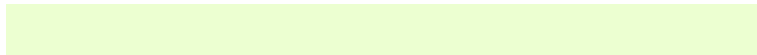
93.9563, 0.2629, 0.2948



93.9563, 0.3486, 0.3172

Complementary

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



93.9563, 0.3275, 0.3759



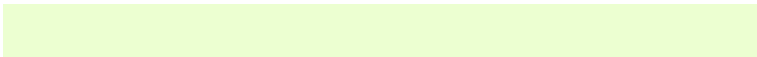
69.3093, 0.2957, 0.2814

Split Complementary

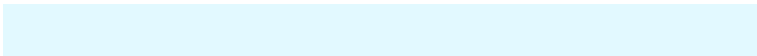
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9563, 0.3235, 0.2981



93.9563, 0.3275, 0.3759



93.9563, 0.2745, 0.2850

Square

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



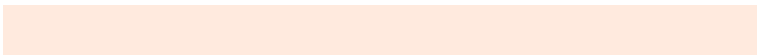
93.9563, 0.3275, 0.3759



93.9563, 0.2640, 0.3146



93.9563, 0.2963, 0.2865



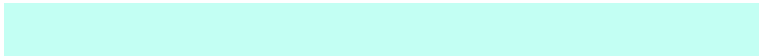
93.9563, 0.3640, 0.3398

Rectangle

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



93.9563, 0.3275, 0.3759



93.9563, 0.2843, 0.3484



93.9563, 0.2963, 0.2865



93.9563, 0.3410, 0.3103

Sweetspot

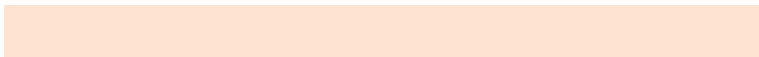
The Sweet Spot groups the original color and five complimentary colors.



93.9554, 0.3275, 0.3759



98.2207, 0.3168, 0.3414



81.0172, 0.3446, 0.3476



20.9711, 0.3174, 0.3431



0.0000, 0.0000, 0.0000



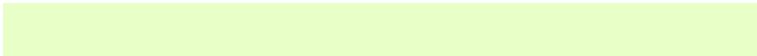
21.4041, 0.3127, 0.3290

Same Dimension

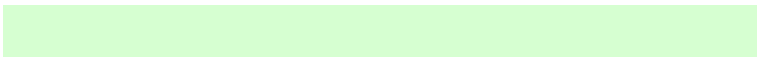
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9554, 0.3275, 0.3759



92.7662, 0.3307, 0.3869



90.3578, 0.3132, 0.3780



20.6950, 0.3205, 0.3529



40.8326, 0.3490, 0.5611



4.0398, 0.3568, 0.5549

Inverse Universe

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



69.3093, 0.2957, 0.2814



63.5615, 0.2914, 0.2700



73.2142, 0.3115, 0.2836



17.7441, 0.3044, 0.3049



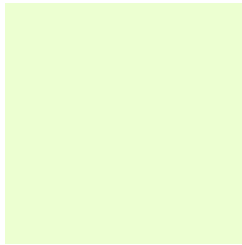
5.4344, 0.1864, 0.0800



0.5913, 0.1989, 0.0870

Previews

White Background



This preview shows how the Yxy color 93.9563, 0.3275, 0.3759 looks on a white background.

Color Contrast Check

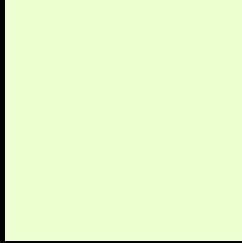
Large Text (above 18pt) WCAG AA × Fail

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 93.9563, 0.3275, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

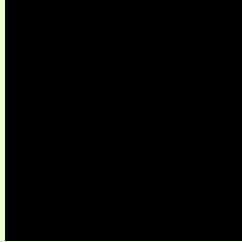
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

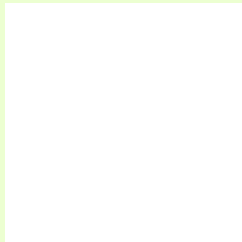
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.9563, 0.3275, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 93.9563, 0.3275, 0.3759.

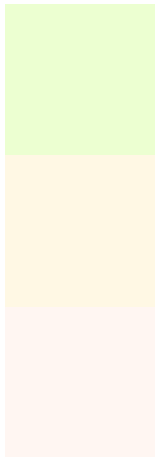


This preview shows how white text looks on a background with the Yxy color 93.9563, 0.3275, 0.3759.

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

93.9563, 0.3275, 0.3759

Protanopia

93.9962, 0.3293, 0.3486

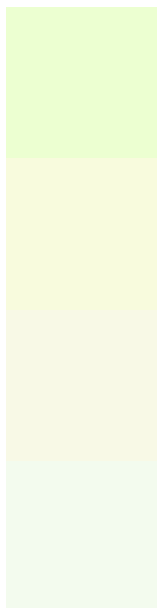
Deuteranopia

93.5823, 0.3209, 0.3329

Tritanopia

94.1290, 0.3080, 0.3222

Trichromacy



Original Color

93.9563, 0.3275, 0.3759

Protanomaly

94.1713, 0.3286, 0.3588

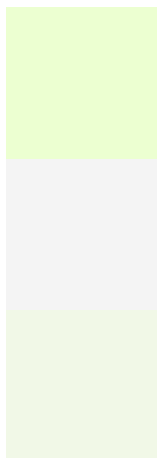
Deuteranomaly

93.4210, 0.3234, 0.3478

Tritanomaly

94.2221, 0.3153, 0.3419

Monochromacy



Original Color

93.9563, 0.3275, 0.3759

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.6051, 0.3183, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9563, 0.3275, 0.3759 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 93.9563, 0.3275, 0.3759 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, 209) }
```

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

```
.border{ border-color:rgb(236, 255, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9563, 0.3275, 0.3759 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, 209) }
```

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

```
.background{ background-color: rgb(236,  
255, 209) }
```

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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