

Converting Colors

$Yxy(93.8531, 0.3211, 0.3680)$

Have a look what the booklet for
Yxy(93.8531, 0.3211, 0.3680)
contains.

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Color

Yxy(93.8534, 0.3209, 0.3678)

Conversions

Conversions Part 1

Format	Color
Hex	E9FFD9
RGB	233, 255, 217
RGB Percent	91%, 100%, 85%
CMY	0.0863, 0.0000, 0.1491
CMYK	0.09, 0.00, 0.15, 0.00
HSL	95°, 100%, 93%
HSV	95°, 15%, 100%
XYZ	81.8857, 93.8534, 79.4360
YIQ	244.0900, -0.9140, -16.4820

Conversions

Conversions Part 2

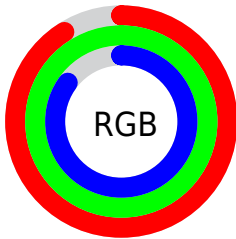
Format	Color
R_{YB}	217, 255, 239
Decimal	15335385
CIE _{Lab}	97.57, -13.77, 15.77
CIE _{LCh}	98, 20.937, 131.132
Yxy	93.8534, 0.3209, 0.3678
Android (android.graphics.Color)	4293525465 (0xFFE9FFD9)
YUV	244.0900, -13.3554, -9.7259
Hunter-Lab	96.8780, -18.6601, 19.1992

Details

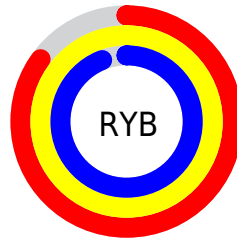
The Yxy color **93.8534, 0.3209, 0.3678** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.1893, 0.3033, 0.2907**, and the grayscale version is **90.6490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3439, 0.3224, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **90.2444, 0.3261, 0.3966**, and if you desaturate by 10%, it is **97.8722, 0.3154, 0.3412**.

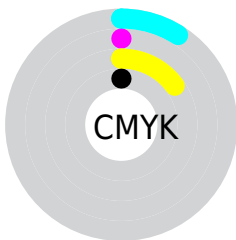
Distribution



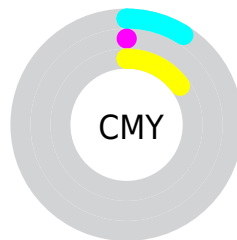
- Red (91%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (94%)



- Cyan (9%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8534, 0.3209, 0.3678 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 93.8534, 0.3209, 0.3678 by changing the saturation by 10% instead.


 93.8534, 0.3209,
0.3678

 93.8534, 0.3209,
0.3678

540.4877, 0.3175,
0.3503

 71.1810, 0.3216,
0.3717


152.6796, 0.3198,
0.3618

 52.4899, 0.3224,
0.3765


189.6022, 0.3193,
0.3594

 37.3957, 0.3234,
0.3825


232.0436, 0.3189,
0.3574

 25.5140, 0.3246,
0.3902

280.3884, 0.3186,
0.3556

 16.4605, 0.3260,
0.4004

335.0207, 0.3183,
0.3540

 9.8506, 0.3278,
0.4147

396.3252, 0.3180,

 5.3000, 0.3298,

0.3526

0.4360

464.6860, 0.3177,
0.3514

■ 2.4243, 0.3316,
0.4709

■ 0.8384, 0.3546,
0.6454

■ 93.8534, 0.3209,
0.3678

■ 93.8534, 0.3209,
0.3678

■ 90.2444, 0.3261,
0.3966

■ 97.8722, 0.3154,
0.3412

■ 87.0354, 0.3308,
0.4272

100.0000, 0.3127,
0.3290

■ 84.2094, 0.3345,
0.4585

■ 81.7500, 0.3370,
0.4893

■ 79.6393, 0.3377,
0.5180

■ 77.8574, 0.3364,
0.5427

■ 76.3821, 0.3332,
0.5621

■ 75.1869, 0.3281,
0.5752

■ 74.6693, 0.3252,
0.5800

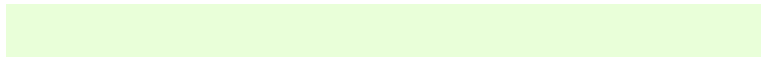
Harmonies

Analogous

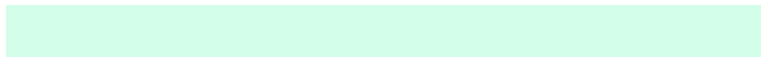
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8534, 0.3424, 0.3693



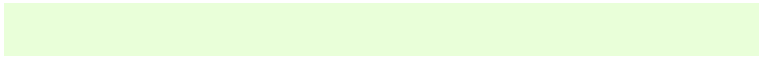
93.8534, 0.3209, 0.3678



93.8534, 0.2978, 0.3547

Triad

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



93.8534, 0.3209, 0.3678



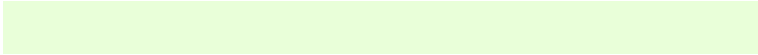
93.8534, 0.2709, 0.2971



93.8534, 0.3471, 0.3228

Complementary

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



93.8534, 0.3209, 0.3678



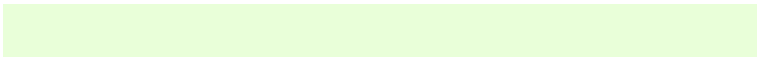
75.1893, 0.3033, 0.2907

Split Complementary

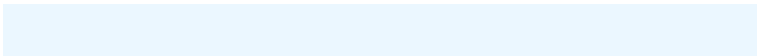
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8534, 0.3268, 0.3052



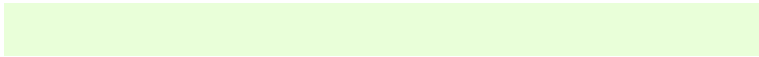
93.8534, 0.3209, 0.3678



93.8534, 0.2830, 0.2904

Square

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



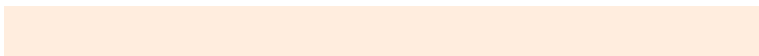
93.8534, 0.3209, 0.3678



93.8534, 0.2695, 0.3128



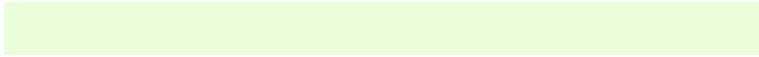
93.8534, 0.3032, 0.2935



93.8534, 0.3580, 0.3424

Rectangle

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



93.8534, 0.3209, 0.3678



93.8534, 0.2846, 0.3414



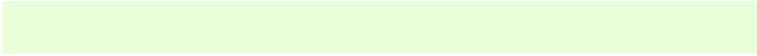
93.8534, 0.3032, 0.2935



93.8534, 0.3411, 0.3165

Sweetspot

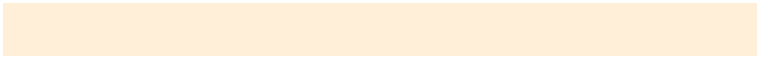
The Sweet Spot groups the original color and five complimentary colors.



93.8519, 0.3209, 0.3678



98.2576, 0.3149, 0.3389



87.7263, 0.3375, 0.3504



20.9627, 0.3153, 0.3408



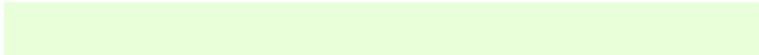
0.0000, 0.0000, 0.0000



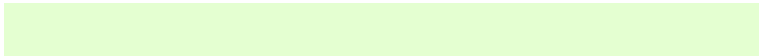
21.4041, 0.3127, 0.3290

Same Dimension

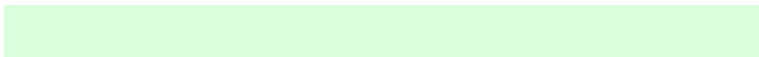
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8519, 0.3209, 0.3678



92.6925, 0.3226, 0.3765



91.4120, 0.3094, 0.3662



20.5419, 0.3180, 0.3531



39.0995, 0.3264, 0.5790



3.8696, 0.3352, 0.5721

Inverse Universe

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



75.1893, 0.3033, 0.2907



70.6468, 0.3011, 0.2823



77.9376, 0.3161, 0.2944



17.8971, 0.3070, 0.3051



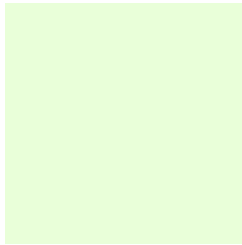
7.1337, 0.2183, 0.0976



0.7589, 0.2296, 0.1038

Previews

White Background



This preview shows how the Yxy color 93.8534, 0.3209, 0.3678 looks on a white background.

Color Contrast Check

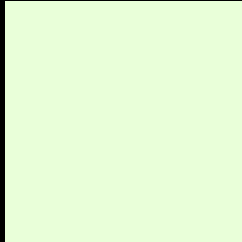
Large Text (above 18pt) WCAG AA × Fail

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 93.8534, 0.3209, 0.3678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

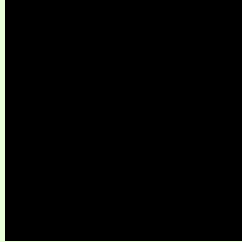
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

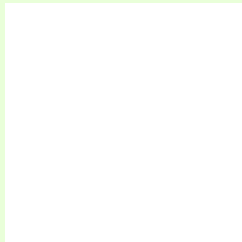
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.8534, 0.3209, 0.3678

Background



This preview shows how black text looks on a background with the Yxy color 93.8534, 0.3209, 0.3678.

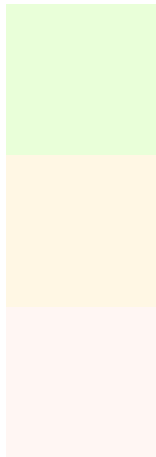


This preview shows how white text looks on a background with the Yxy color 93.8534, 0.3209, 0.3678.

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

93.8534, 0.3209, 0.3678

Protanopia

93.3830, 0.3294, 0.3476

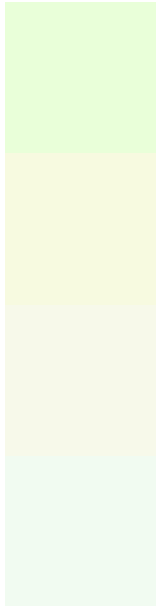
Deuteranopia

93.6426, 0.3203, 0.3319

Tritanopia

93.7673, 0.3067, 0.3222

Trichromacy



Original Color

93.8534, 0.3209, 0.3678

Protanomaly

93.5272, 0.3263, 0.3549

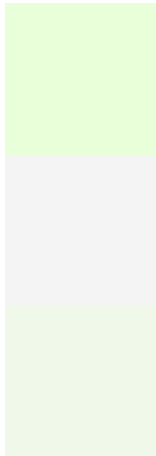
Deuteranomaly

93.4660, 0.3203, 0.3438

Tritanomaly

94.0460, 0.3123, 0.3389

Monochromacy



Original Color

93.8534, 0.3209, 0.3678

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.6006, 0.3159, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8534, 0.3209, 0.3678 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(233, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 217)  
}
```

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(233, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 93.8534, 0.3209, 0.3678 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(233, 255, 217) }
```

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

```
.border{ border-color:rgb(233, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(233, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8534, 0.3209, 0.3678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 217) }
```

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

```
.background{ background-color: rgb(233,  
255, 217) }
```

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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