

Converting Colors

$Y_{xy}(100.0000, 0.3192, 0.3743)$

Have a look what the booklet for
Yxy(100.0000, 0.3192, 0.3743)
contains.

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Color

Yxy(93.9581, 0.3197, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	E9FFDB
RGB	233, 255, 219
RGB Percent	91%, 100%, 86%
CMY	0.0865, 0.0000, 0.1411
CMYK	0.09, 0.00, 0.14, 0.00
HSL	97°, 100%, 93%
HSV	97°, 14%, 100%
XYZ	82.1395, 93.9581, 80.8291
YIQ	244.3180, -1.5560, -15.8600

Conversions

Conversions Part 2

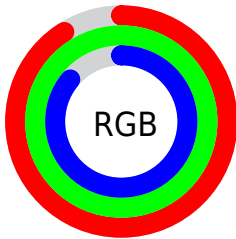
Format	Color
R _Y B	219, 255, 241
Decimal	15335387
CIE Lab	97.62, -13.46, 14.80
CIE LCh	98, 20.005, 132.300
Yxy	93.9581, 0.3197, 0.3657
Android (android.graphics.Color)	4293525467 (0xFFE9FFDB)
YUV	244.3180, -12.4818, -9.9259
Hunter-Lab	96.9320, -18.3714, 18.4120

Details

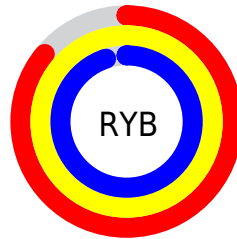
The Yxy color $93.9581, 0.3197, 0.3657$ is a light color, and the websafe version is hex `FFFFCC`, and the color name is [nyanza](#). A complement of this color would be $76.5984, 0.3047, 0.2930$, and the grayscale version is $90.8257, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $52.4156, 0.3209, 0.3736$ is the 20% darker color. If you saturate the color by 10%, you get $90.1957, 0.3244, 0.3946$, and if you desaturate by 10%, it is $98.1441, 0.3148, 0.3392$.

Distribution



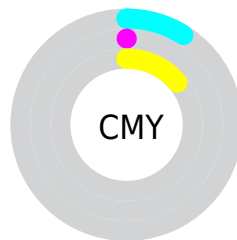
- Red (91%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.9581, 0.3197, 0.3657 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 93.9581, 0.3197, 0.3657 by changing the saturation by 10% instead.


 93.9581, 0.3197,
0.3657

 93.9581, 0.3197,
0.3657

540.8240, 0.3168,
0.3491

 71.2681, 0.3203,
0.3694


152.8244, 0.3188,
0.3600

 52.5610, 0.3210,
0.3739


189.7695, 0.3184,
0.3578

 37.4524, 0.3218,
0.3796


232.2351, 0.3180,
0.3559

 25.5580, 0.3228,
0.3868

280.6055, 0.3177,
0.3542

 16.4933, 0.3240,
0.3965

335.2652, 0.3175,
0.3527

 9.8739, 0.3255,
0.4100

396.5986, 0.3172,

 5.3154, 0.3271,

0.3514

0.4301

464.9901, 0.3170,
0.3502

■ 2.4335, 0.3286,
0.4632

■ 0.8430, 0.3592,
0.6408

■ 93.9581, 0.3197,
0.3657

■ 93.9581, 0.3197,
0.3657

■ 90.1957, 0.3244,
0.3946

■ 98.1441, 0.3148,
0.3392

■ 86.8639, 0.3286,
0.4253

100.0000, 0.3127,
0.3290

■ 83.9388, 0.3319,
0.4570

■ 81.4031, 0.3339,
0.4884

■ 79.2379, 0.3344,
0.5179

■ 77.4222, 0.3330,
0.5435

■ 75.9327, 0.3297,
0.5637

■ 74.7419, 0.3247,
0.5774

■ 74.1611, 0.3214,
0.5830

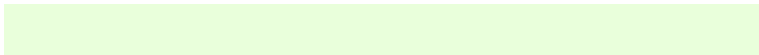
Harmonies

Analogous

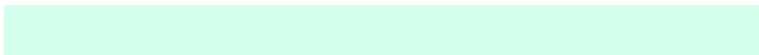
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9581, 0.3404, 0.3676



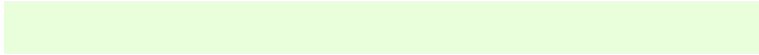
93.9581, 0.3197, 0.3657



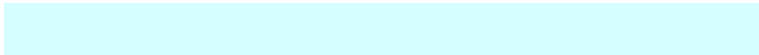
93.9581, 0.2977, 0.3528

Triad

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



93.9581, 0.3197, 0.3657



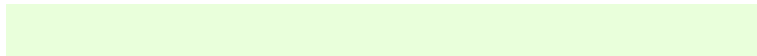
93.9581, 0.2730, 0.2981



93.9581, 0.3461, 0.3238

Complementary

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



93.9581, 0.3197, 0.3657



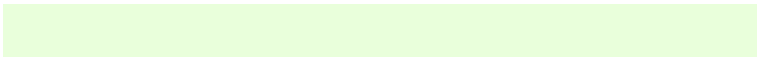
76.5984, 0.3047, 0.2930

Split Complementary

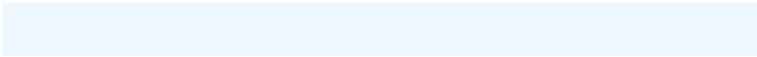
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9581, 0.3270, 0.3068



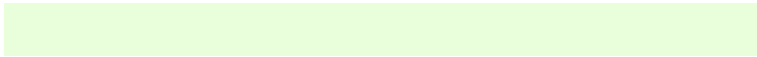
93.9581, 0.3197, 0.3657



93.9581, 0.2849, 0.2921

Square

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



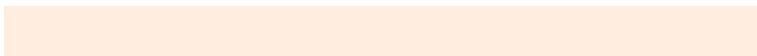
93.9581, 0.3197, 0.3657



93.9581, 0.2712, 0.3129



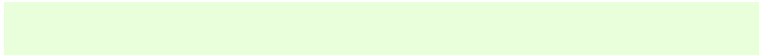
93.9581, 0.3045, 0.2954



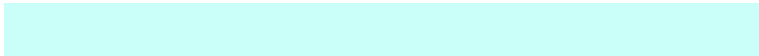
93.9581, 0.3561, 0.3426

Rectangle

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



93.9581, 0.3197, 0.3657



93.9581, 0.2852, 0.3400



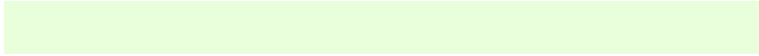
93.9581, 0.3045, 0.2954



93.9581, 0.3405, 0.3177

Sweetspot

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



93.9507, 0.3197, 0.3657



98.1945, 0.3147, 0.3389



89.0511, 0.3359, 0.3504



20.9467, 0.3151, 0.3408



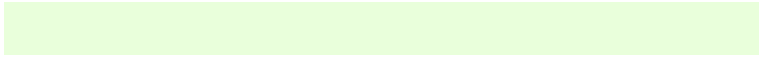
0.0000, 0.0000, 0.0000



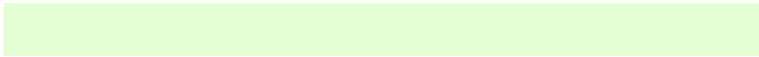
21.4041, 0.3127, 0.3290

Same Dimension

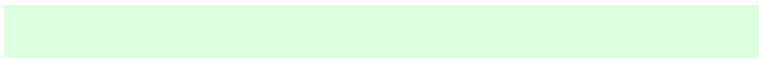
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9507, 0.3197, 0.3657



92.8227, 0.3211, 0.3738



91.8881, 0.3089, 0.3628



20.5112, 0.3174, 0.3532



38.8304, 0.3226, 0.5821



3.8415, 0.3313, 0.5751

Inverse Universe

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



76.5984, 0.3047, 0.2930



72.3448, 0.3029, 0.2852



78.9181, 0.3167, 0.2974



17.9285, 0.3076, 0.3051



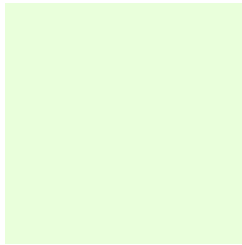
7.5652, 0.2258, 0.1017



0.7997, 0.2364, 0.1076

Previews

White Background



This preview shows how the Yxy color 93.9581, 0.3197, 0.3657 looks on a white background.

Color Contrast Check

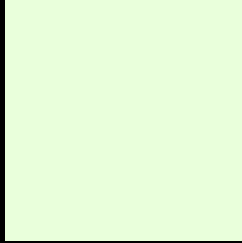
Large Text (above 18pt) WCAG AA × Fail

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 93.9581, 0.3197, 0.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

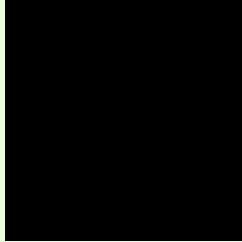
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

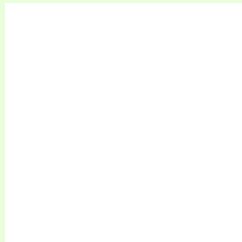
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.9581, 0.3197, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 93.9581, 0.3197, 0.3657.

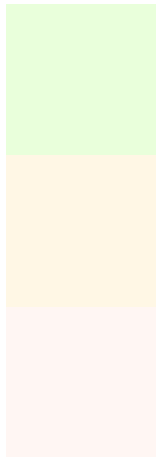


This preview shows how white text looks on a background with the Yxy color 93.9581, 0.3197, 0.3657.

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

93.9581, 0.3197, 0.3657

Protanopia

93.4387, 0.3288, 0.3466

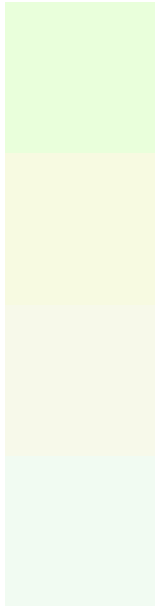
Deuteranopia

93.6426, 0.3203, 0.3319

Tritanopia

93.7673, 0.3067, 0.3222

Trichromacy



Original Color

93.9581, 0.3197, 0.3657

Protanomaly

93.5816, 0.3257, 0.3538

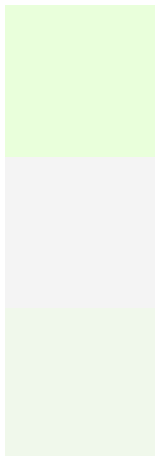
Deuteranomaly

93.4660, 0.3203, 0.3438

Tritanomaly

94.1059, 0.3117, 0.3379

Monochromacy



Original Color

93.9581, 0.3197, 0.3657

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.6582, 0.3153, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9581, 0.3197, 0.3657 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 93.9581, 0.3197, 0.3657 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, 219) }
```

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

```
.border{ border-color:rgb(233, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9581, 0.3197, 0.3657 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, 219) }
```

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

```
.background{ background-color: rgb(233,  
255, 219) }
```

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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