

Converting Colors

$Y_{xy}(100.0000, 0.3155, 0.3705)$

Have a look what the booklet for
Yxy(100.0000, 0.3155, 0.3705)
contains.

Yxy(93.8366, 0.3162, 0.3616)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(93.8366, 0.3162, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	E7FFDF
RGB	231, 255, 223
RGB Percent	91%, 100%, 87%
CMY	0.0938, 0.0001, 0.1254
CMYK	0.09, 0.00, 0.13, 0.00
HSL	105°, 100%, 94%
HSV	105°, 13%, 100%
XYZ	82.0551, 93.8366, 83.6121
YIQ	244.1760, -4.0320, -15.0400

Conversions

Conversions Part 2

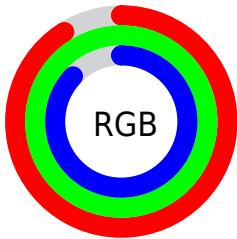
Format	Color
R _Y B	223, 255, 247
Decimal	15204319
CIE Lab	97.57, -13.42, 12.66
CIE LCh	98, 18.444, 136.667
Yxy	93.8366, 0.3162, 0.3616
Android (android.graphics.Color)	4293394399 (0xFFE7FFDF)
YUV	244.1760, -10.4398, -11.5554
Hunter-Lab	96.8693, -18.3192, 16.6327

Details

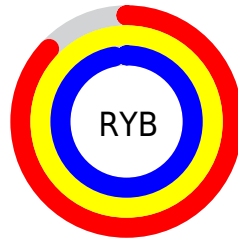
The Yxy color **93.8366, 0.3162, 0.3616** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **79.7651, 0.3087, 0.2974**, and the grayscale version is **90.7159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3293, 0.3164, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **89.5636, 0.3187, 0.3908**, and if you desaturate by 10%, it is **98.6705, 0.3134, 0.3352**.

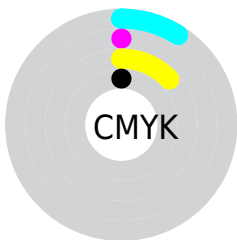
Distribution



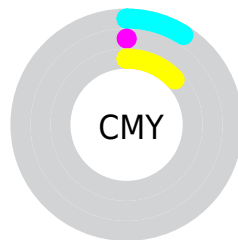
- Red (91%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (97%)



- Cyan (9%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8366, 0.3162, 0.3616 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 93.8366, 0.3162, 0.3616 by changing the saturation by 10% instead.


 93.8366, 0.3162,
0.3616

 93.8366, 0.3162,
0.3616

540.4337, 0.3148,
0.3469

 71.1671, 0.3165,
0.3649


152.6563, 0.3158,
0.3566

 52.4785, 0.3168,
0.3689


189.5753, 0.3156,
0.3546

 37.3867, 0.3171,
0.3739


232.0129, 0.3154,
0.3529

 25.5070, 0.3175,
0.3803

280.3535, 0.3153,
0.3514

 16.4552, 0.3180,
0.3889

334.9815, 0.3151,
0.3501

 9.8468, 0.3185,
0.4010

396.2813, 0.3150,

 5.2975, 0.3188,

0.3489

0.4189

464.6372, 0.3149,
0.3478

■ 2.4229, 0.3184,
0.4486

■ 0.8376, 0.3515,
0.6282

■ 93.8366, 0.3162,
0.3616

■ 93.8366, 0.3162,
0.3616

■ 89.5636, 0.3187,
0.3908

■ 98.6705, 0.3134,
0.3352

■ 85.8191, 0.3208,
0.4224

99.9895, 0.3127,
0.3290

■ 82.5856, 0.3222,
0.4556

■ 79.8402, 0.3227,
0.4890

■ 77.5578, 0.3220,
0.5208

■ 75.7113, 0.3201,
0.5488

■ 74.2700, 0.3168,
0.5709

■ 73.1990, 0.3126,
0.5858

■ 72.6097, 0.3093,
0.5927

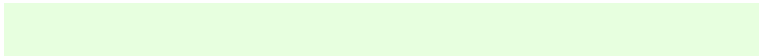
Harmonies

Analogous

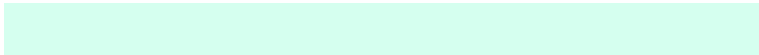
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8366, 0.3358, 0.3650



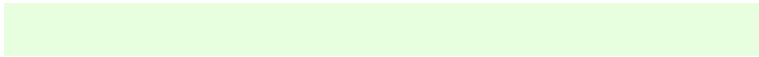
93.8366, 0.3162, 0.3616



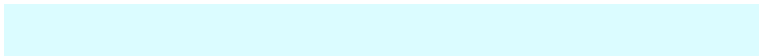
93.8366, 0.2962, 0.3485

Triad

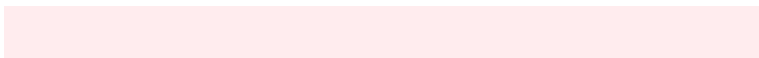
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.8366, 0.3162, 0.3616



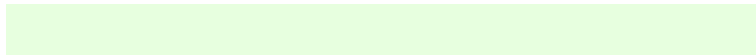
93.8366, 0.2770, 0.2992



93.8366, 0.3455, 0.3268

Complementary

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



93.8366, 0.3162, 0.3616



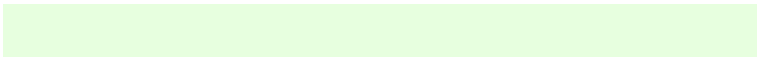
79.7651, 0.3087, 0.2974

Split Complementary

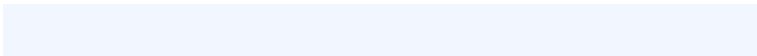
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.8366, 0.3288, 0.3105



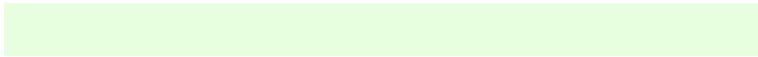
93.8366, 0.3162, 0.3616



93.8366, 0.2893, 0.2948

Square

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



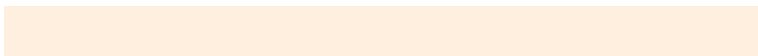
93.8366, 0.3162, 0.3616



93.8366, 0.2740, 0.3118



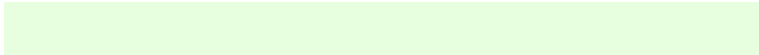
93.8366, 0.3082, 0.2990



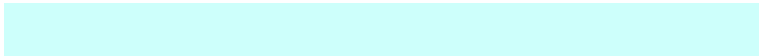
93.8366, 0.3531, 0.3441

Rectangle

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



93.8366, 0.3162, 0.3616



93.8366, 0.2852, 0.3364



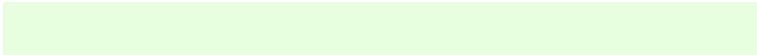
93.8366, 0.3082, 0.2990



93.8366, 0.3407, 0.3211

Sweetspot

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



93.8406, 0.3162, 0.3616



97.9423, 0.3138, 0.3389



92.7774, 0.3326, 0.3520



20.8830, 0.3141, 0.3408



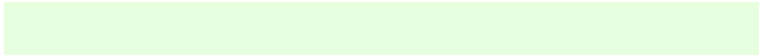
0.0000, 0.0000, 0.0000



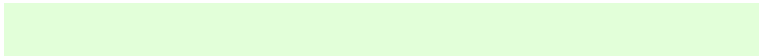
21.4041, 0.3127, 0.3290

Same Dimension

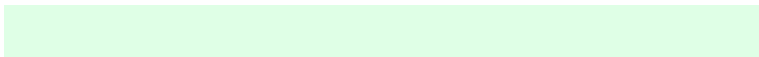
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8406, 0.3162, 0.3616



92.7496, 0.3169, 0.3685



92.9407, 0.3070, 0.3542



20.3894, 0.3154, 0.3533



38.0047, 0.3102, 0.5919



3.7495, 0.3178, 0.5858

Inverse Universe

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



79.7651, 0.3087, 0.2974



76.1932, 0.3077, 0.2910



80.7907, 0.3190, 0.3050



18.0562, 0.3097, 0.3053



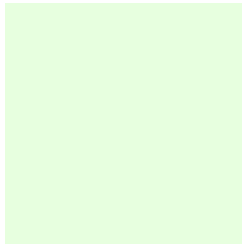
9.6141, 0.2577, 0.1193



0.9878, 0.2652, 0.1234

Previews

White Background



This preview shows how the Yxy color 93.8366, 0.3162, 0.3616 looks on a white background.

Color Contrast Check

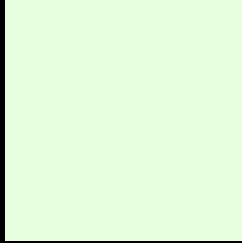
Large Text (above 18pt) WCAG AA × Fail

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 93.8366, 0.3162, 0.3616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

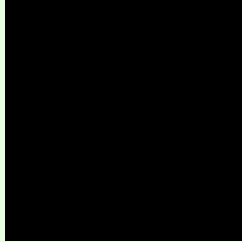
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

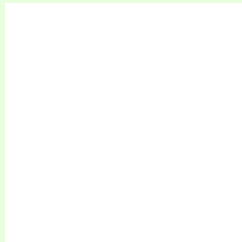
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.8366, 0.3162, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 93.8366, 0.3162, 0.3616.

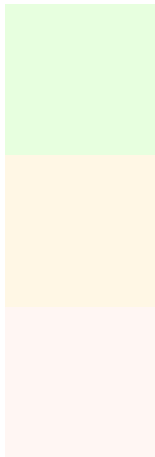


This preview shows how white text looks on a background with the Yxy color 93.8366, 0.3162, 0.3616.

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

93.8366, 0.3162, 0.3616

Protanopia

93.4387, 0.3288, 0.3466

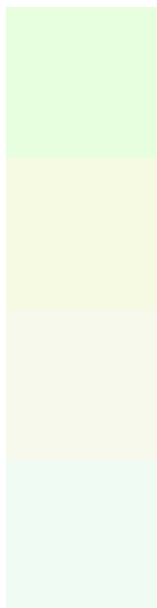
Deuteranopia

93.6426, 0.3203, 0.3319

Tritanopia

93.7673, 0.3067, 0.3222

Trichromacy



Original Color

93.8366, 0.3162, 0.3616

Protanomaly

93.5101, 0.3238, 0.3519

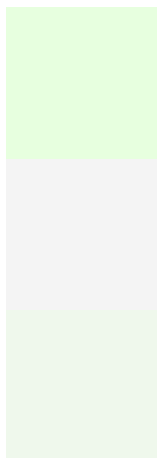
Deuteranomaly

93.4003, 0.3185, 0.3418

Tritanomaly

93.9907, 0.3105, 0.3369

Monochromacy



Original Color

93.8366, 0.3162, 0.3616

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.5417, 0.3141, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8366, 0.3162, 0.3616 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(231, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 223)  
}
```

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(231, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 93.8366, 0.3162, 0.3616 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(231, 255, 223) }
```

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

```
.border{ border-color:rgb(231, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8366, 0.3162, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 223) }
```

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

```
.background{ background-color: rgb(231,  
255, 223) }
```

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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