

Converting Colors

$Y_{xy}(160.2746, 0.3070, 0.4150)$

Have a look what the booklet for
Yxy(160.2746, 0.3070, 0.4150)
contains.

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Color

Yxy(95.8158, 0.3102, 0.3439)

Conversions

Conversions Part 1

Format	Color
Hex	EDFFF0
RGB	237, 255, 240
RGB Percent	93%, 100%, 94%
CMY	0.0704, 0.0000, 0.0588
CMYK	0.07, 0.00, 0.06, 0.00
HSL	130°, 100%, 96%
HSV	130°, 7%, 100%
XYZ	86.4265, 95.8158, 96.3730
YIQ	247.9080, -5.9130, -8.4810

Conversions

Conversions Part 2

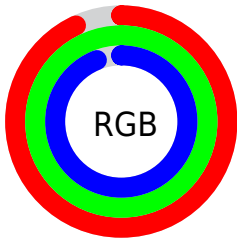
Format	Color
R_{YB}	237, 252, 255
Decimal	15597552
CIE Lab	98.36, -8.52, 5.14
CIE LCh	98, 9.956, 148.892
Yxy	95.8158, 0.3102, 0.3439
Android (android.graphics.Color)	4293787632 (0xFFE000)
YUV	247.9080, -3.8986, -9.5663
Hunter-Lab	97.8855, -13.6960, 10.1460

Details

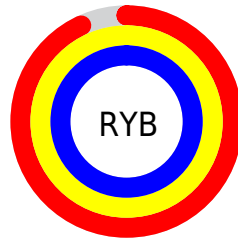
The Yxy color 95.8158, 0.3102, 0.3439 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.8917, 0.3153, 0.3145, and the grayscale version is 93.8357, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.6726, 0.3095, 0.3468 is the 20% darker color. If you saturate the color by 10%, you get 90.5433, 0.3066, 0.3675, and if you desaturate by 10%, it is 99.9944, 0.3127, 0.3290.

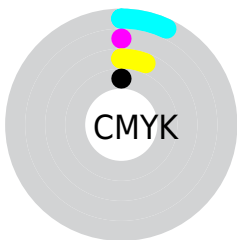
Distribution



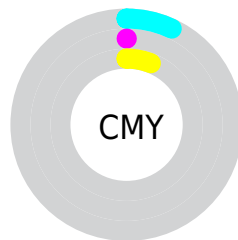
- Red (93%)
- Green (100%)
- Blue (94%)



- Red (93%)
- Yellow (99%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.8158, 0.3102, 0.3439 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 95.8158, 0.3102, 0.3439 by changing the saturation by 10% instead.


 95.8158, 0.3102,
0.3439

 95.8158, 0.3102,
0.3439


546.7734, 0.3113,
0.3373

 72.8142, 0.3099,
0.3454

155.3912, 0.3106,
0.3416

 53.8240, 0.3096,
0.3471


192.7337, 0.3107,
0.3408

 38.4610, 0.3092,
0.3493


235.6253, 0.3109,
0.3400

 26.3407, 0.3087,
0.3522

284.4504, 0.3110,
0.3393

 17.0787, 0.3080,
0.3559

339.5933, 0.3111,
0.3387

 10.2906, 0.3071,
0.3611

401.4386, 0.3112,

 5.5921, 0.3056,

0.3382

0.3687

470.3704, 0.3113,
0.3377

■ 2.5986, 0.3031,
0.3810

■ 0.9260, 0.2990,
0.4124

■ 95.8158, 0.3102,
0.3439

■ 95.8158, 0.3102,
0.3439

■ 90.5433, 0.3066,
0.3675

99.9944, 0.3127,
0.3290

■ 86.0085, 0.3030,
0.3940

■ 82.1818, 0.2996,
0.4230

■ 79.0273, 0.2967,
0.4539

■ 76.5057, 0.2945,
0.4856

■ 74.5736, 0.2932,
0.5163

■ 73.1820, 0.2931,
0.5442

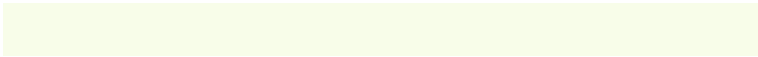
■ 72.2739, 0.2941,
0.5672

■ 71.7775, 0.2961,
0.5840

Harmonies

Analogous

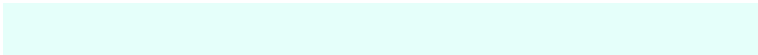
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.8158, 0.3212, 0.3480



95.8158, 0.3102, 0.3439



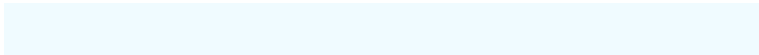
95.8158, 0.3000, 0.3356

Triad

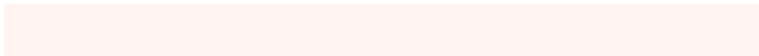
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.8158, 0.3102, 0.3439



95.8158, 0.2956, 0.3114



95.8158, 0.3325, 0.3319

Complementary

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



95.8158, 0.3102, 0.3439



88.8917, 0.3153, 0.3145

Split Complementary

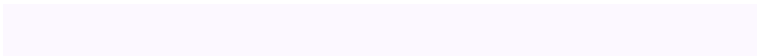
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.8158, 0.3254, 0.3225



95.8158, 0.3102, 0.3439



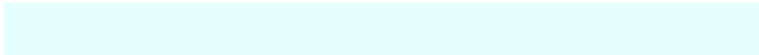
95.8158, 0.3041, 0.3107

Square

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



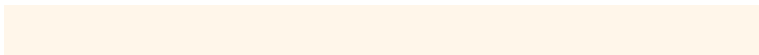
95.8158, 0.3102, 0.3439



95.8158, 0.2917, 0.3167



95.8158, 0.3150, 0.3148



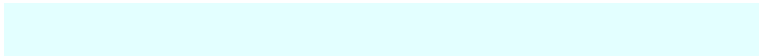
95.8158, 0.3342, 0.3408

Rectangle

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



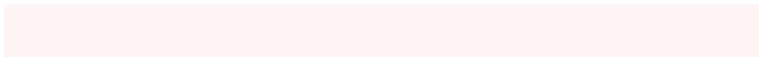
95.8158, 0.3102, 0.3439



95.8158, 0.2951, 0.3289



95.8158, 0.3150, 0.3148



95.8158, 0.3307, 0.3287

Sweetspot

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



95.8199, 0.3102, 0.3439



98.7739, 0.3120, 0.3331



98.3839, 0.3215, 0.3464



21.1545, 0.3120, 0.3329



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.



95.8199, 0.3102, 0.3439



95.2839, 0.3098, 0.3461



96.3506, 0.3053, 0.3352



20.2167, 0.3093, 0.3495



37.4715, 0.2961, 0.5858



3.6616, 0.2911, 0.5680

Inverse Universe

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



88.8917, 0.3153, 0.3145



87.4544, 0.3157, 0.3125



88.3513, 0.3208, 0.3229



18.2462, 0.3163, 0.3094



13.6437, 0.3674, 0.1797



1.3415, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 95.8158, 0.3102, 0.3439 looks on a white background.

Color Contrast Check

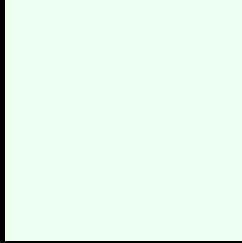
Large Text (above 18pt) WCAG AA × Fail

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 95.8158, 0.3102, 0.3439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

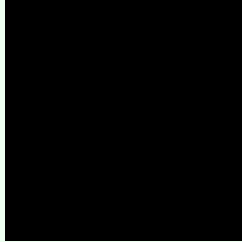
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

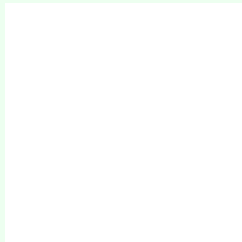
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.8158, 0.3102, 0.3439

Background



This preview shows how black text looks on a background with the Yxy color 95.8158, 0.3102, 0.3439.

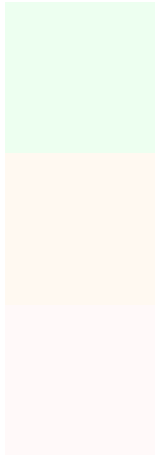


This preview shows how white text looks on a background with the Yxy color 95.8158, 0.3102, 0.3439.

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

95.8158, 0.3102, 0.3439

Protanopia

95.3622, 0.3213, 0.3367

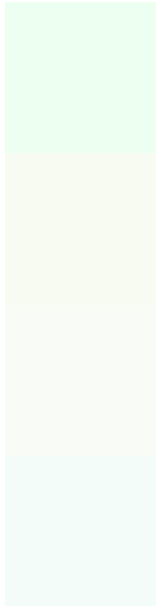
Deuteranopia

95.8509, 0.3165, 0.3290

Tritanopia

95.5477, 0.3086, 0.3242

Trichromacy



Original Color

95.8158, 0.3102, 0.3439

Protanomaly

95.3017, 0.3167, 0.3388

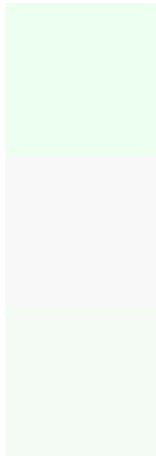
Deuteranomaly

95.6046, 0.3137, 0.3339

Tritanomaly

95.7560, 0.3089, 0.3309

Monochromacy



Original Color

95.8158, 0.3102, 0.3439

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.8200, 0.3118, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.8158, 0.3102, 0.3439 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(237, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 240)  
}
```

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(237, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 95.8158, 0.3102, 0.3439 is called "border". The border property can be set on classes, ids or directly on the HTML element.

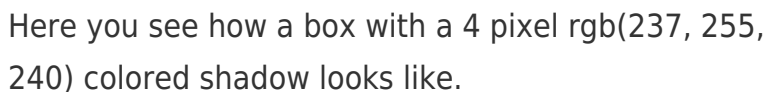
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 255, 240) }
```

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

```
.border{ border-color:rgb(237, 255, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 255, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 255, 240); box-shadow:4px 4px 4px 4px rgb(237, 255, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 95.8158, 0.3102, 0.3439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 240) }
```

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

```
.background{ background-color: rgb(237,  
255, 240) }
```

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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