

# Converting Colors

$Y_{xy}(79.7872, 0.2642, 0.3415)$

Have a look what the booklet for  
Yxy(79.7872, 0.2642, 0.3415)  
contains.

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# Color

**Yxy(79.9246, 0.2641, 0.3415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98F8ED
RGB	152, 248, 237
RGB Percent	60%, 97%, 93%
CMY	0.4038, 0.0275, 0.0705
CMYK	0.39, 0.00, 0.04, 0.03
HSL	173°, 87%, 78%
HSV	173°, 39%, 97%
XYZ	61.8099, 79.9246, 92.3053
YIQ	218.0420, -53.6850, -23.7730

# Conversions

## Conversions Part 2

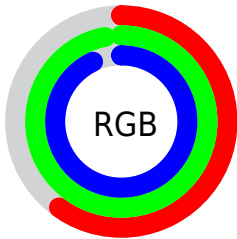
Format	Color
<a href="#">RYB</a>	<a href="#">152, 203, 248</a>
Decimal	<a href="#">10025197</a>
CIELab	<a href="#">91.65, -30.82, -3.68</a>
CIElCh	<a href="#">92, 31.044, 186.810</a>
Yxy	<a href="#">79.9246, 0.2641, 0.3415</a>
Android (android.graphics.Color)	<a href="#">4288215277 (0xFF98F8ED)</a>
YUV	<a href="#">218.0420, 9.3463, -57.9188</a>
Hunter-Lab	<a href="#">89.4006, -33.0393, 1.3640</a>

# Details

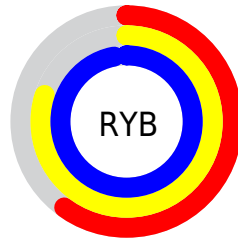
The Yxy color **79.9246, 0.2641, 0.3415** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.0707, 0.3983, 0.3174**, and the grayscale version is **70.1122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **43.0307, 0.2534, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **77.6145, 0.2546, 0.3453**, and if you desaturate by 10%, it is **82.7440, 0.2751, 0.3379**.

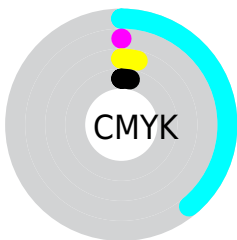
# Distribution



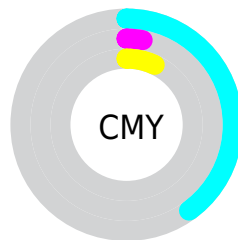
- Red (60%)
- Green (97%)
- Blue (93%)



- Red (60%)
- Yellow (80%)
- Blue (97%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (40%)
- Magenta (3%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9246, 0.2641, 0.3415 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 79.9246, 0.2641, 0.3415 by changing the saturation by 10% instead.




 79.9246, 0.2641,  
0.3415


 79.9246, 0.2641,  
0.3415

494.6787, 0.2860,  
0.3361

 59.6563, 0.2592,  
0.3427


 133.2597, 0.2716,  
0.3397

 43.1417, 0.2533,  
0.3440


 167.0953, 0.2745,  
0.3390

 29.9963, 0.2459,  
0.3457


206.2222, 0.2771,  
0.3383

 19.8358, 0.2364,  
0.3478

251.0247, 0.2793,  
0.3378

 12.2757, 0.2239,  
0.3505

301.8871, 0.2813,  
0.3373

 6.9317, 0.2065,  
0.3539


359.1941, 0.2830,


 3.4194, 0.1811,


0.3368

423.3298, 0.2846,  
0.3364


0.3584

 1.3544, 0.1290,  
0.3689

 0.1828, 0.0000,  
0.2860


 79.9246, 0.2641,  
0.3415


 79.9246, 0.2641,  
0.3415


 77.6145, 0.2546,  
0.3453


 82.7440, 0.2751,  
0.3379


 75.7726, 0.2469,  
0.3492

 86.0918, 0.2874,  
0.3346

 74.3673, 0.2410,  
0.3532


 89.9978, 0.3007,  
0.3315


 73.3585, 0.2372,  
0.3572


 94.4867, 0.3146,  
0.3286

 72.6992, 0.2352,  
0.3612

 95.3706, 0.3153,  
0.3259

 72.3211, 0.2349,  
0.3651

 95.5510, 0.3136,  
0.3232

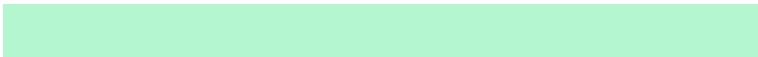
 72.2805, 0.2349,  
0.3657

 95.6127, 0.3130,  
0.3223

# Harmonies

## Analogous

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



79.9246, 0.2939, 0.3741



79.9246, 0.2641, 0.3415



79.9246, 0.2475, 0.3071

# Triad

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



79.9246, 0.2641, 0.3415



79.9246, 0.2924, 0.2735



79.9246, 0.3824, 0.3721

# Complementary

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



79.9246, 0.2641, 0.3415



45.0707, 0.3983, 0.3174

# 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.



79.9246, 0.3827, 0.3443



79.9246, 0.2641, 0.3415



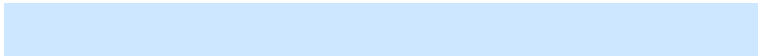
79.9246, 0.3290, 0.2894

# Square

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



79.9246, 0.2641, 0.3415



79.9246, 0.2631, 0.2703



79.9246, 0.3627, 0.3147

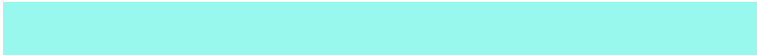


79.9246, 0.3626, 0.3907



# Rectangle

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



79.9246, 0.2641, 0.3415



79.9246, 0.2454, 0.2888



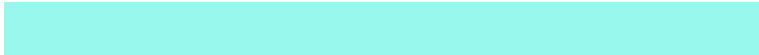
79.9246, 0.3627, 0.3147



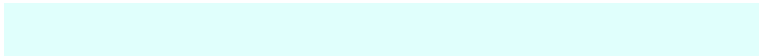
79.9246, 0.3848, 0.3635

# Sweetspot

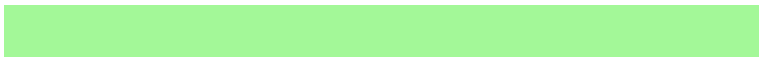
The Sweet Spot groups the original color and five complimentary colors.



79.9278, 0.2641, 0.3415



94.4279, 0.2962, 0.3325



77.2125, 0.3137, 0.4454



20.0932, 0.2944, 0.3329



0.0000, 0.0000, 0.0000

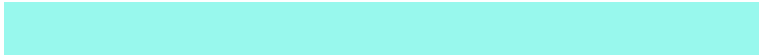


21.4041, 0.3127, 0.3290

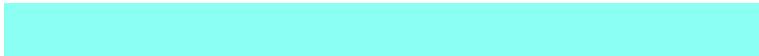


# Same Dimension

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



79.9278, 0.2641, 0.3415



83.2835, 0.2569, 0.3443



60.1513, 0.2523, 0.2851



19.5724, 0.2996, 0.3317



39.0606, 0.2347, 0.3650



3.6271, 0.2334, 0.3603



# Inverse Universe

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



45.0707, 0.3983, 0.3174



41.5891, 0.4237, 0.3154



58.5438, 0.3938, 0.3686



17.2575, 0.3276, 0.3263



10.8368, 0.6264, 0.3224

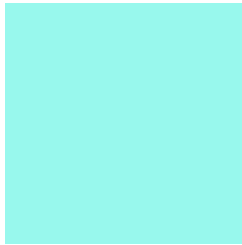


1.0138, 0.6019, 0.3089



# Previews

## White Background



This preview shows how the Yxy color 79.9246, 0.2641, 0.3415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

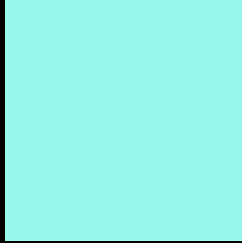
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.9246, 0.2641, 0.3415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

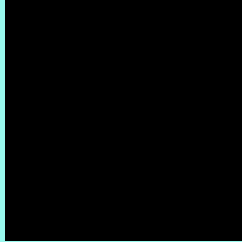
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.9246, 0.2641, 0.3415**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.9246, 0.2641, 0.3415.



This preview shows how white text looks on a background with the Yxy color 79.9246, 0.2641, 0.3415.

# 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

79.9246, 0.2641, 0.3415

### Protanopia

79.1918, 0.3188, 0.3321

### Deuteranopia

78.9603, 0.3171, 0.3100



## Tritanopia

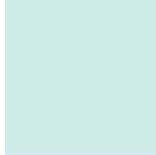
79.4853, 0.2693, 0.3125

# Trichromacy



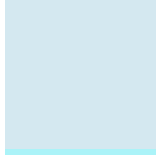
## Original Color

79.9246, 0.2641, 0.3415



## Protanomaly

78.6832, 0.2961, 0.3355



## Deuteranomaly

78.0015, 0.2947, 0.3204



## Tritanomaly

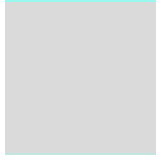
79.5364, 0.2674, 0.3233

# Monochromacy



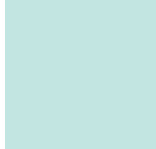
## Original Color

79.9246, 0.2641, 0.3415



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

72.9442, 0.2919, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.9246, 0.2641, 0.3415 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(152, 248, 237)` looks like.

```
.text, #text, p{  
    color:rgb(152, 248, 237)  
}
```

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(152, 248, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 248, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 79.9246, 0.2641, 0.3415 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(152, 248, 237) }
```

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

```
.border{ border-color:rgb(152, 248, 237) }
```

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

Here you see how a box with a 4 pixel rgb(152, 248, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 248, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 248, 237);  
box-shadow:4px 4px 4px 4px rgb(152, 248,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.9246, 0.2641, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 248, 237) }
```

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

```
.background{ background-color: rgb(152,  
248, 237) }
```

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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