

# Converting Colors

$Yxy(78.8137, 0.2588, 0.3266)$

Have a look what the booklet for  
Yxy(78.8137, 0.2588, 0.3266)  
contains.

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# Color

**Yxy(78.6956, 0.2589, 0.3266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98F5F7
RGB	152, 245, 247
RGB Percent	60%, 96%, 97%
CMY	0.4040, 0.0392, 0.0315
CMYK	0.38, 0.01, 0.00, 0.03
HSL	181°, 86%, 78%
HSV	181°, 38%, 97%
XYZ	62.3830, 78.6956, 99.8755
YIQ	217.4210, -56.0700, -19.0940

# Conversions

## Conversions Part 2

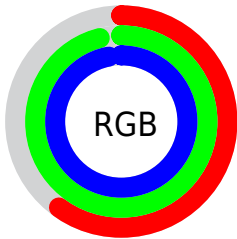
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">152, 199, 247</a>
Decimal	<a href="#">10024439</a>
CIELab	<a href="#">91.10, -27.10, -9.68</a>
CIELCh	<a href="#">91, 28.775, 199.650</a>
Yxy	<a href="#">78.6956, 0.2589, 0.3266</a>
Android (android.graphics.Color)	<a href="#">4288214519 (0xFF98F5F7)</a>
YUV	<a href="#">217.4210, 14.5824, -57.3742</a>
Hunter-Lab	<a href="#">88.7105, -29.7187, -4.6547</a>

# Details

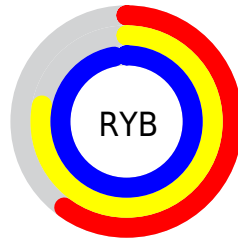
The Yxy color **78.6956, 0.2589, 0.3266** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.1282, 0.4080, 0.3314**, and the grayscale version is **69.6163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **42.1609, 0.2470, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **76.2505, 0.2482, 0.3259**, and if you desaturate by 10%, it is **81.6438, 0.2712, 0.3273**.

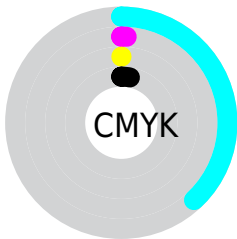
# Distribution



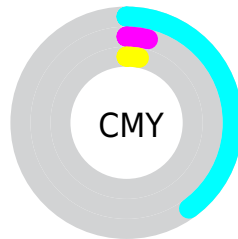
- Red (60%)
- Green (96%)
- Blue (97%)



- Red (60%)
- Yellow (78%)
- Blue (97%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)




- Cyan (40%)
- Magenta (4%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6956, 0.2589, 0.3266 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 78.6956, 0.2589, 0.3266 by changing the saturation by 10% instead.




 78.6956, 0.2589,  
0.3266


 78.6956, 0.2589,  
0.3266


490.5260, 0.2830,  
0.3282

 58.6456, 0.2536,  
0.3261


 131.5302, 0.2671,  
0.3272

 42.3279, 0.2471,  
0.3255


 165.0836, 0.2704,  
0.3275

 29.3581, 0.2390,  
0.3246


203.9069, 0.2732,  
0.3277

 19.3519, 0.2287,  
0.3233

248.3846, 0.2756,  
0.3278

 11.9248, 0.2152,  
0.3213

298.9009, 0.2778,  
0.3279

 6.6925, 0.1966,  
0.3180

355.8403, 0.2797,

 3.2705, 0.1698,

0.3280

0.3119

419.5872, 0.2815,  
0.3281

1.2746, 0.1199,  
0.3019

0.1214, 0.0000,  
0.1305

78.6956, 0.2589,  
0.3266

78.6956, 0.2589,  
0.3266

76.2505, 0.2482,  
0.3259

81.6438, 0.2712,  
0.3273

74.2682, 0.2394,  
0.3252

85.1142, 0.2849,  
0.3279

72.7174, 0.2325,  
0.3245

89.1362, 0.2996,  
0.3285

71.5585, 0.2276,  
0.3238

93.7341, 0.3151,  
0.3291

70.7453, 0.2246,  
0.3231

94.8404, 0.3178,  
0.3296

70.2117, 0.2231,  
0.3224

95.1540, 0.3178,  
0.3301

70.1405, 0.2229,  
0.3223

95.4684, 0.3178,  
0.3306

95.7838, 0.3177,  
0.3311

96.0999, 0.3177,  
0.3315

# Harmonies

## Analogous

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



78.6956, 0.2822, 0.3589



78.6956, 0.2589, 0.3266



78.6956, 0.2496, 0.2972

# Triad

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



78.6956, 0.2589, 0.3266



78.6956, 0.3081, 0.2821



78.6956, 0.3717, 0.3783

# Complementary

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



78.6956, 0.2589, 0.3266



45.1282, 0.4080, 0.3314

# 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.



78.6956, 0.3801, 0.3552



78.6956, 0.2589, 0.3266



78.6956, 0.3423, 0.3013

# Square

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



78.6956, 0.2589, 0.3266



78.6956, 0.2769, 0.2737



78.6956, 0.3693, 0.3274



78.6956, 0.3473, 0.3894

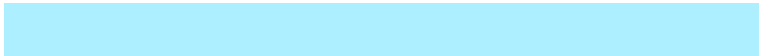


# Rectangle

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



78.6956, 0.2589, 0.3266



78.6956, 0.2522, 0.2833



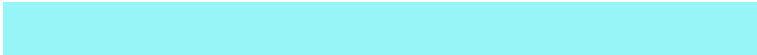
78.6956, 0.3693, 0.3274



78.6956, 0.3766, 0.3715

# Sweetspot

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



78.6987, 0.2589, 0.3266



94.2484, 0.2943, 0.3283



75.4979, 0.3064, 0.4449



20.0506, 0.2923, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

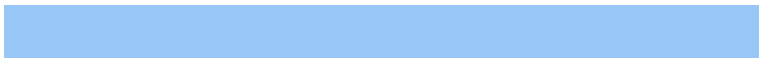
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6987, 0.2589, 0.3266



82.5806, 0.2506, 0.3261



53.7269, 0.2503, 0.2695



18.6955, 0.2981, 0.3285



37.1315, 0.2229, 0.3225



3.2819, 0.2231, 0.3233



# Inverse Universe

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



48.8126, 0.3188, 0.2356



46.4158, 0.3200, 0.2186



63.8372, 0.3879, 0.3815



16.7620, 0.3141, 0.3062



13.8478, 0.3261, 0.1570

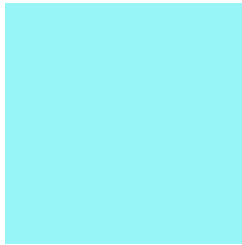


1.2189, 0.3254, 0.1566



# Previews

## White Background



This preview shows how the Yxy color 78.6956, 0.2589, 0.3266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

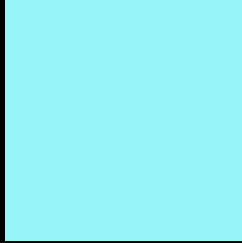
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6956, 0.2589, 0.3266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

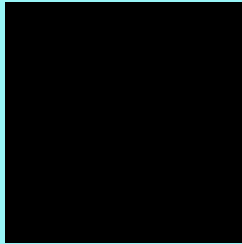
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.6956, 0.2589, 0.3266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.6956, 0.2589, 0.3266.

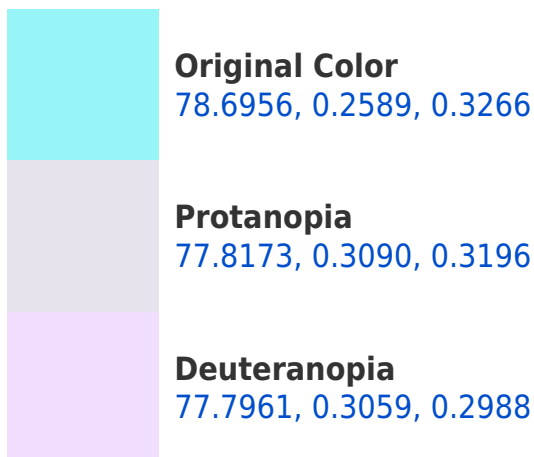


This preview shows how white text looks on a background with the Yxy color 78.6956, 0.2589, 0.3266.

# 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





## Tritanopia

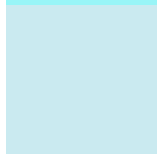
78.7703, 0.2662, 0.3124

# Trichromacy



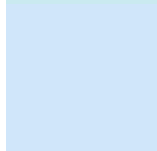
## Original Color

78.6956, 0.2589, 0.3266



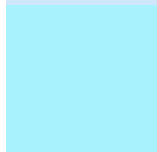
## Protanomaly

77.6935, 0.2884, 0.3224



## Deuteranomaly

76.9057, 0.2863, 0.3076



## Tritanomaly

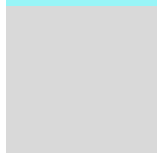
78.7480, 0.2633, 0.3177

# Monochromacy



## Original Color

78.6956, 0.2589, 0.3266



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.8771, 0.2894, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6956, 0.2589, 0.3266 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, 245, 247)` looks like.

```
.text, #text, p{  
    color:rgb(152, 245, 247)  
}
```

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, 245, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 245, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6956, 0.2589, 0.3266 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, 245, 247) }
```

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

```
.border{ border-color:rgb(152, 245, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 245, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 245, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 245, 247);  
box-shadow:4px 4px 4px 4px rgb(152, 245,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6956, 0.2589, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 245, 247) }
```

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

```
.background{ background-color: rgb(152,  
245, 247) }
```

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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