

# Converting Colors

$Yxy(78.9259, 0.2755, 0.3391)$

Have a look what the booklet for  
Yxy(78.9259, 0.2755, 0.3391)  
contains.

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# Color

**Yxy(78.9259, 0.2755, 0.3391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADF3EA
RGB	173, 243, 234
RGB Percent	68%, 95%, 92%
CMY	0.3219, 0.0470, 0.0823
CMYK	0.29, 0.00, 0.04, 0.05
HSL	172°, 75%, 82%
HSV	172°, 29%, 95%
XYZ	64.1229, 78.9259, 89.7023
YIQ	221.0440, -38.8310, -17.6390

# Conversions

## Conversions Part 2

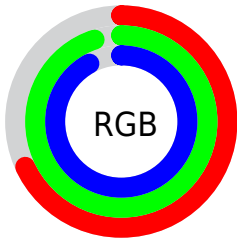
Format	Color
R <sub>Y</sub> B	173, 210, 243
Decimal	11400170
CIE Lab	91.20, -23.55, -2.66
CIE LCh	91, 23.696, 186.448
Yxy	78.9259, 0.2755, 0.3391
Android (android.graphics.Color)	4289590250 (0xFFADF3EA)
YUV	221.0440, 6.3873, -42.1346
Hunter-Lab	88.8402, -26.6331, 2.3229

# Details

The Yxy color **78.9259, 0.2755, 0.3391** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.2897, 0.3684, 0.3193**, and the grayscale version is **72.3047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **42.6066, 0.2673, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **76.2297, 0.2646, 0.3431**, and if you desaturate by 10%, it is **82.1355, 0.2876, 0.3353**.

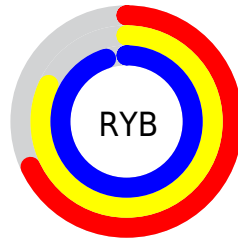
# Distribution



Red (68%)

Green (95%)

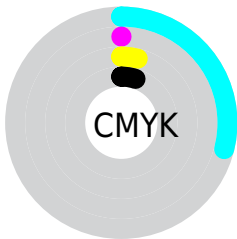
Blue (92%)



Red (68%)

Yellow (82%)

Blue (95%)

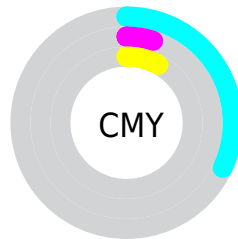


Cyan (29%)

Magenta (0%)

Yellow (4%)

Black (5%)



Cyan (32%)

Magenta (5%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9259, 0.2755, 0.3391 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 78.9259, 0.2755, 0.3391 by changing the saturation by 10% instead.




 78.9259, 0.2755,  
0.3391

 78.9259, 0.2755,  
0.3391


491.3056, 0.2924,  
0.3346

 58.8349, 0.2717,  
0.3401


 131.8545, 0.2813,  
0.3376

 42.4802, 0.2671,  
0.3412


165.4610, 0.2835,  
0.3370

 29.4775, 0.2613,  
0.3427


204.3413, 0.2855,  
0.3365

 19.4423, 0.2539,  
0.3445

248.8799, 0.2872,  
0.3360

 11.9903, 0.2440,  
0.3469

299.4613, 0.2887,  
0.3356

 6.7371, 0.2301,  
0.3501

356.4698, 0.2901,

 3.2982, 0.2093,

0.3353

420.2898, 0.2913,  
0.3349

0.3546

1.2893, 0.1701,  
0.3632

0.1329, 0.0000,  
0.2867

78.9259, 0.2755,  
0.3391

78.9259, 0.2755,  
0.3391

76.2297, 0.2646,  
0.3431

82.1355, 0.2876,  
0.3353

74.0098, 0.2553,  
0.3474


85.8740, 0.3006,  
0.3318


72.2395, 0.2477,  
0.3518

90.1684, 0.3143,  
0.3287


70.8855, 0.2420,  
0.3563


92.0576, 0.3184,  
0.3257

 69.9098, 0.2382,  
0.3609


 92.2516, 0.3165,  
0.3227

 69.2674, 0.2364,  
0.3654

 92.4488, 0.3146,  
0.3197

 68.8916, 0.2362,  
0.3699

 92.5928, 0.3133,  
0.3175

 68.8553, 0.2362,  
0.3704

# Harmonies

## Analogous

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



78.9259, 0.2989, 0.3633



78.9259, 0.2755, 0.3391



78.9259, 0.2622, 0.3130

# Triad

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



78.9259, 0.2755, 0.3391



78.9259, 0.2970, 0.2856



78.9259, 0.3662, 0.3625

# Complementary

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



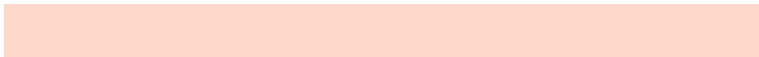
78.9259, 0.2755, 0.3391



52.2897, 0.3684, 0.3193

# 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.



78.9259, 0.3660, 0.3411



78.9259, 0.2755, 0.3391



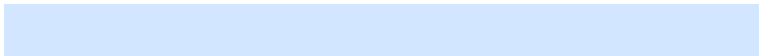
78.9259, 0.3251, 0.2980

# Square

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



78.9259, 0.2755, 0.3391



78.9259, 0.2741, 0.2835



78.9259, 0.3507, 0.3179

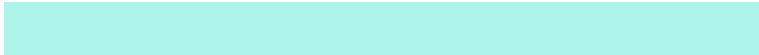


78.9259, 0.3515, 0.3763

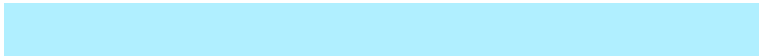


# Rectangle

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



78.9259, 0.2755, 0.3391



78.9259, 0.2604, 0.2987



78.9259, 0.3507, 0.3179



78.9259, 0.3679, 0.3559

# Sweetspot

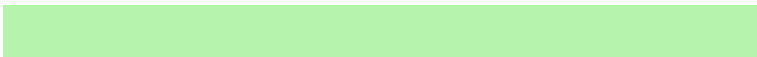
The Sweet Spot groups the original color and five complimentary colors.



78.9291, 0.2755, 0.3391



95.7156, 0.3004, 0.3319



77.1046, 0.3147, 0.4116



20.3491, 0.2985, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

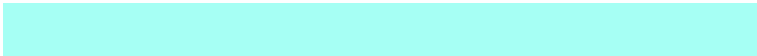


# Same Dimension

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



78.9291, 0.2755, 0.3391



86.1030, 0.2686, 0.3416



65.1367, 0.2677, 0.2992



18.7190, 0.2998, 0.3320



37.7976, 0.2360, 0.3697



3.3321, 0.2345, 0.3640



# Inverse Universe

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



52.2897, 0.3684, 0.3193



51.6248, 0.3857, 0.3171



62.7462, 0.3689, 0.3570



16.5172, 0.3273, 0.3260



10.5235, 0.6237, 0.3210

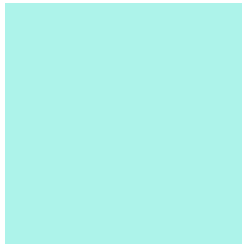


0.9357, 0.5960, 0.3057



# Previews

## White Background



This preview shows how the Yxy color 78.9259, 0.2755, 0.3391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

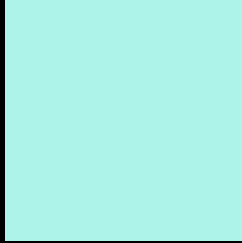
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.9259, 0.2755, 0.3391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

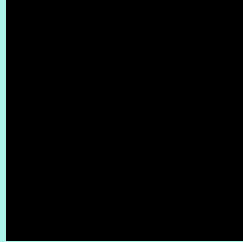
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.9259, 0.2755, 0.3391**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.9259, 0.2755, 0.3391.

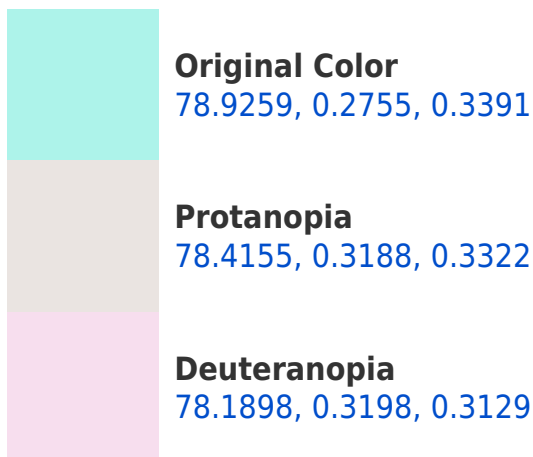


This preview shows how white text looks on a background with the Yxy color 78.9259, 0.2755, 0.3391.

# 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

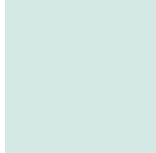
78.8082, 0.2713, 0.3104

# Trichromacy



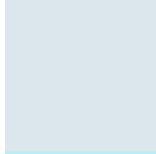
## Original Color

78.9259, 0.2755, 0.3391



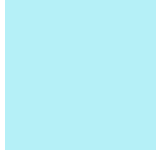
## Protanomaly

77.8763, 0.3018, 0.3344



## Deuteranomaly

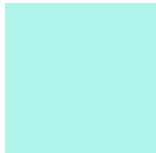
77.9237, 0.3016, 0.3216



## Tritanomaly

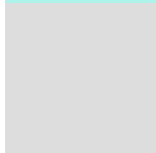
78.8593, 0.2729, 0.3212

# Monochromacy



## Original Color

78.9259, 0.2755, 0.3391



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

74.3670, 0.2978, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9259, 0.2755, 0.3391 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(173, 243, 234)` looks like.

```
.text, #text, p{  
    color:rgb(173, 243, 234)  
}
```

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(173, 243, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 243, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9259, 0.2755, 0.3391 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(173, 243, 234) }
```

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

```
.border{ border-color:rgb(173, 243, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 243, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 243, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 243, 234);  
box-shadow:4px 4px 4px 4px rgb(173, 243,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9259, 0.2755, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 243, 234) }
```

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

```
.background{ background-color: rgb(173,  
243, 234) }
```

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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