

# Converting Colors

$Yxy(78.8592, 0.2369, 0.3494)$

Have a look what the booklet for  
Yxy(78.8592, 0.2369, 0.3494)  
contains.

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# Color

**Yxy(78.8513, 0.2369, 0.3495)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42FFEE
RGB	66, 255, 238
RGB Percent	26%, 100%, 93%
CMY	0.7408, 0.0000, 0.0666
CMYK	0.74, 0.00, 0.07, 0.00
HSL	175°, 100%, 63%
HSV	175°, 74%, 100%
XYZ	53.4474, 78.8513, 93.3130
YIQ	196.5510, -107.1870, -45.3550

# Conversions

## Conversions Part 2

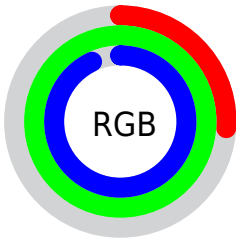
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	66, 165, 255
Decimal	4390894
CIELab	91.17, -49.23, -5.20
CIElCh	91, 49.502, 186.032
Yxy	78.8513, 0.2369, 0.3495
Android (android.graphics.Color)	4282580974 (0xFF42FFEE)
YUV	196.5510, 20.4344, -114.4932
Hunter-Lab	88.7983, -47.9583, -0.1457

# Details

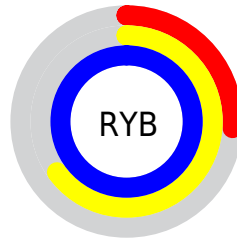
The Yxy color **78.8513, 0.2369, 0.3495** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.7940, 0.5500, 0.3170**, and the grayscale version is **55.4938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **43.3099, 0.2313, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **78.0219, 0.2339, 0.3526**, and if you desaturate by 10%, it is **80.0830, 0.2418, 0.3464**.

# Distribution



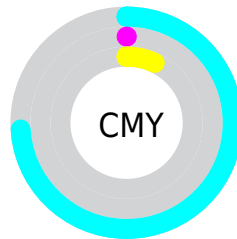
- Red (26%)
- Green (100%)
- Blue (93%)



- Red (26%)
- Yellow (65%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (74%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8513, 0.2369, 0.3495 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 78.8513, 0.2369, 0.3495 by changing the saturation by 10% instead.




 78.8513, 0.2369,  
0.3495

 78.8513, 0.2369,  
0.3495


491.0532, 0.2708,  
0.3408


 58.7736, 0.2295,  
0.3513


 131.7495, 0.2484,  
0.3466

 42.4309, 0.2204,  
0.3534


 165.3387, 0.2530,  
0.3455

 29.4388, 0.2092,  
0.3559


 204.2006, 0.2569,  
0.3445

 19.4130, 0.1951,  
0.3590

 248.7195, 0.2604,  
0.3436

 11.9691, 0.1766,  
0.3626

299.2798, 0.2635,  
0.3428

 6.7226, 0.1518,  
0.3670


356.2659, 0.2662,


 3.2893, 0.1174,


0.3420


0.3715


420.0622, 0.2686,  
0.3414


 1.2845, 0.0000,  
0.4011


 0.1292, 0.0000,  
0.2039


 78.8513, 0.2369,  
0.3495


 78.8513, 0.2369,  
0.3495


 78.0219, 0.2339,  
0.3526


 80.0830, 0.2418,  
0.3464

 77.5289, 0.2327,  
0.3557

 81.7544, 0.2487,  
0.3433

 77.3489, 0.2326,  
0.3575

 83.9086, 0.2575,  
0.3403

 86.5812, 0.2680,  
0.3375

89.8044, 0.2799,  
0.3347

93.6078, 0.2929,  
0.3322

98.0188, 0.3069,  
0.3299

99.9975, 0.3127,  
0.3290

# Harmonies

## Analogous

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



78.8513, 0.2827, 0.4051



78.8513, 0.2369, 0.3495



78.8513, 0.2122, 0.2930

# Triad

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



78.8513, 0.2369, 0.3495



78.8513, 0.2783, 0.2437



78.8513, 0.4237, 0.3923

# Complementary

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



78.8513, 0.2369, 0.3495



25.7940, 0.5500, 0.3170

# 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.



78.8513, 0.4249, 0.3484



78.8513, 0.2369, 0.3495



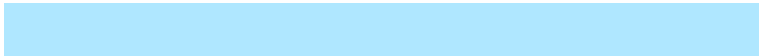
78.8513, 0.3361, 0.2672

# Square

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



78.8513, 0.2369, 0.3495



78.8513, 0.2343, 0.2384



78.8513, 0.3918, 0.3042



78.8513, 0.3912, 0.4258



# Rectangle

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



78.8513, 0.2369, 0.3495



78.8513, 0.2091, 0.2647



78.8513, 0.3918, 0.3042



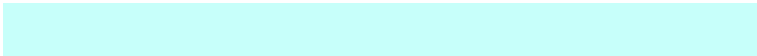
78.8513, 0.4280, 0.3782

# Sweetspot

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



78.8543, 0.2369, 0.3495



90.5481, 0.2825, 0.3342



73.8433, 0.3076, 0.5610



19.1749, 0.2791, 0.3349



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.



78.8543, 0.2369, 0.3495



77.7435, 0.2331, 0.3541



40.7989, 0.2053, 0.2294



20.4517, 0.2992, 0.3311



40.4295, 0.2325, 0.3570



3.9444, 0.2315, 0.3535



# Inverse Universe

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



25.7940, 0.5500, 0.3170



22.3099, 0.6078, 0.3213



40.8998, 0.5030, 0.3968



18.0136, 0.3280, 0.3269



11.1498, 0.6303, 0.3246

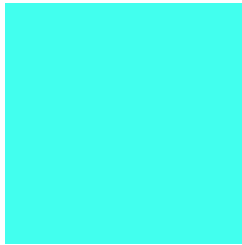


1.0942, 0.6107, 0.3138



# Previews

## White Background



This preview shows how the Yxy color 78.8513, 0.2369, 0.3495 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

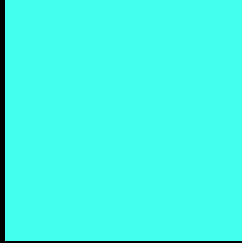
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.8513, 0.2369, 0.3495 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

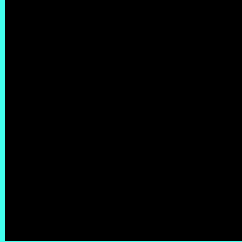
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.8513, 0.2369, 0.3495**

## Background



This preview shows how black text looks on a background with the Yxy color 78.8513, 0.2369, 0.3495.

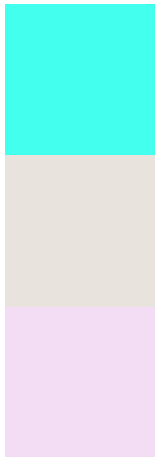


This preview shows how white text looks on a background with the Yxy color 78.8513, 0.2369, 0.3495.

# 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

78.8513, 0.2369, 0.3495

### Protanopia

77.5357, 0.3201, 0.3343

### Deuteranopia

77.1827, 0.3118, 0.3048



## Tritanopia

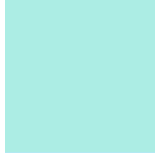
78.1978, 0.2584, 0.3143

# Trichromacy



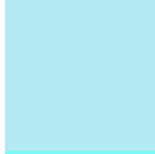
## Original Color

78.8513, 0.2369, 0.3495



## Protanomaly

74.9405, 0.2775, 0.3393



## Deuteranomaly

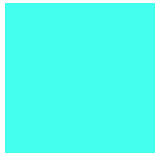
74.1536, 0.2731, 0.3187



## Tritanomaly

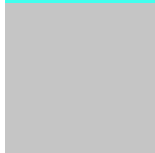
77.7967, 0.2474, 0.3265

# Monochromacy



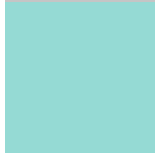
## Original Color

78.8513, 0.2369, 0.3495



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

61.2858, 0.2709, 0.3365

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.8513, 0.2369, 0.3495 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(66, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 238)  
}
```

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(66, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 78.8513, 0.2369, 0.3495 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(66, 255, 238) }
```

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

```
.border{ border-color:rgb(66, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.8513, 0.2369, 0.3495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 238) }
```

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

```
.background{ background-color: rgb(66, 255,  
238) }
```

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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