

# Converting Colors

$Yxy(68.1383, 0.2502, 0.3344)$

Have a look what the booklet for  
Yxy(68.1383, 0.2502, 0.3344)  
contains.

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# Color

**Yxy(68.3543, 0.2502, 0.3350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76EAE5
RGB	118, 234, 229
RGB Percent	46%, 92%, 90%
CMY	0.5367, 0.0824, 0.1019
CMYK	0.50, 0.00, 0.02, 0.08
HSL	177°, 73%, 69%
HSV	177°, 50%, 92%
XYZ	51.0515, 68.3543, 84.6369
YIQ	198.7460, -67.5310, -26.1470

# Conversions

## Conversions Part 2

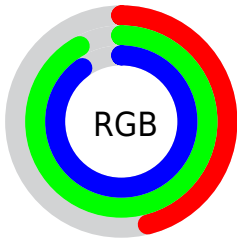
Format	Color
<b>RYB</b>	118, 177, 234
Decimal	7793381
CIELab	86.18, -34.01, -7.71
CIELCh	86, 34.872, 192.780
Yxy	68.3543, 0.2502, 0.3350
Android (android.graphics.Color)	4285983461 (0xFF76EAE5)
YUV	198.7460, 14.9152, -70.8142
Hunter-Lab	82.6767, -34.4633, -2.8221

# Details

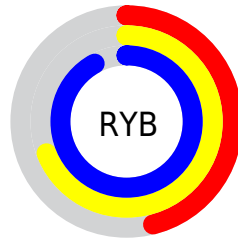
The Yxy color **68.3543, 0.2502, 0.3350** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **31.9135, 0.4466, 0.3239**, and the grayscale version is **56.9103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **35.6537, 0.2355, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **66.8586, 0.2421, 0.3364**, and if you desaturate by 10%, it is **70.2620, 0.2601, 0.3336**.

# Distribution



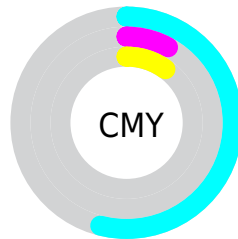
- Red (46%)
- Green (92%)
- Blue (90%)



- Red (46%)
- Yellow (69%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (8%)




- Cyan (54%)
- Magenta (8%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3543, 0.2502, 0.3350 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 68.3543, 0.2502, 0.3350 by changing the saturation by 10% instead.





 68.3543, 0.2502,  
0.3350


 68.3543, 0.2502,  
0.3350


454.7503, 0.2789,  
0.3328


 50.1860, 0.2437,  
0.3354


 116.8589, 0.2601,  
0.3344

 35.5612, 0.2357,  
0.3357


 147.9639, 0.2640,  
0.3341

 24.0955, 0.2257,  
0.3361


 184.1500, 0.2673,  
0.3338

 15.4045, 0.2127,  
0.3363

225.8016, 0.2702,  
0.3336

 9.1038, 0.1954,  
0.3362

273.3030, 0.2728,  
0.3334

 4.8089, 0.1711,  
0.3351

327.0387, 0.2751,

 2.1356, 0.1355,

0.3332

0.3314

387.3930, 0.2771,  
0.3330

0.6845, 0.0000,  
0.3412

0.0000, 0.0000,  
0.0000

68.3543, 0.2502,  
0.3350

68.3543, 0.2502,  
0.3350

66.8586, 0.2421,  
0.3364

70.2620, 0.2601,  
0.3336

65.7364, 0.2359,  
0.3378


72.6013, 0.2717,  
0.3323


64.9555, 0.2317,  
0.3393


75.3998, 0.2846,  
0.3311

64.4743, 0.2293,  
0.3407


78.6807, 0.2986,  
0.3300


 64.2261, 0.2284,  
0.3421

 82.4656, 0.3135,  
0.3290

 64.2160, 0.2284,  
0.3421

 86.0984, 0.3263,  
0.3280

 86.1567, 0.3257,  
0.3270

 86.2153, 0.3250,  
0.3260

 86.2742, 0.3244,  
0.3250

# Harmonies

## Analogous

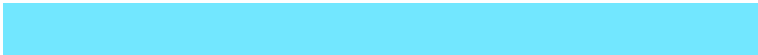
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.3543, 0.2823, 0.3761



68.3543, 0.2502, 0.3350



68.3543, 0.2347, 0.2955

# Triad

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



68.3543, 0.2502, 0.3350



68.3543, 0.2968, 0.2668



68.3543, 0.3919, 0.3847

# Complementary

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



68.3543, 0.2502, 0.3350



31.9135, 0.4466, 0.3239

# 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.



68.3543, 0.3976, 0.3531



68.3543, 0.2502, 0.3350



68.3543, 0.3404, 0.2878

# Square

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



68.3543, 0.2502, 0.3350



68.3543, 0.2601, 0.2597



68.3543, 0.3784, 0.3185



68.3543, 0.3644, 0.4043

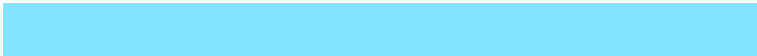


# Rectangle

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



68.3543, 0.2502, 0.3350



68.3543, 0.2349, 0.2761



68.3543, 0.3784, 0.3185



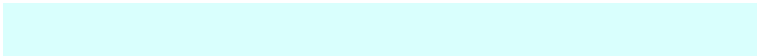
68.3543, 0.3966, 0.3750

# Sweetspot

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



68.3570, 0.2502, 0.3350



93.3480, 0.2907, 0.3306



64.4294, 0.3085, 0.4848



19.8040, 0.2878, 0.3309



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.



68.3570, 0.2502, 0.3350



81.3067, 0.2423, 0.3364



43.1983, 0.2347, 0.2597



17.1101, 0.2987, 0.3300



36.0957, 0.2283, 0.3419



2.8379, 0.2278, 0.3400



# Inverse Universe

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



31.9135, 0.4466, 0.3239



32.4197, 0.4899, 0.3234



47.6530, 0.4200, 0.3876



15.0645, 0.3286, 0.3280



9.8469, 0.6354, 0.3274

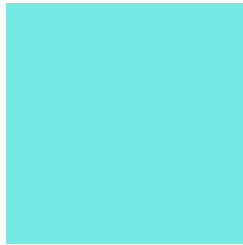


0.7769, 0.6231, 0.3206



# Previews

## White Background



This preview shows how the Yxy color 68.3543, 0.2502, 0.3350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

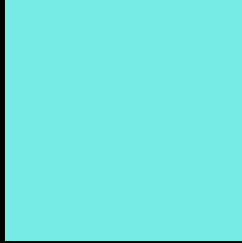
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.3543, 0.2502, 0.3350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

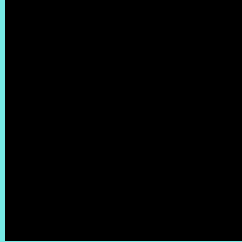
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.3543, 0.2502, 0.3350**

## Background



This preview shows how black text looks on a background with the Yxy color 68.3543, 0.2502, 0.3350.

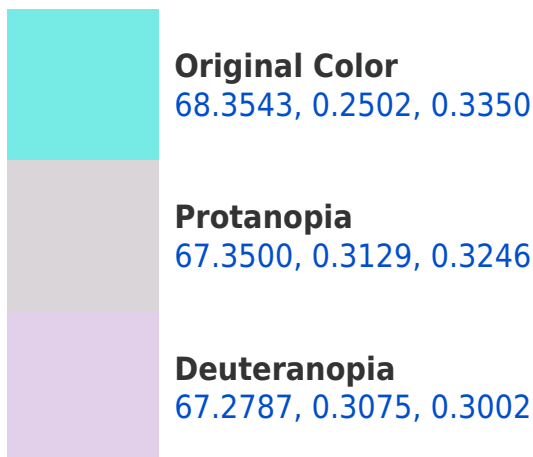


This preview shows how white text looks on a background with the Yxy color 68.3543, 0.2502, 0.3350.

# 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

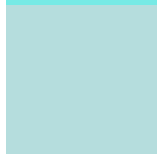
68.4139, 0.2429, 0.3061

# Trichromacy



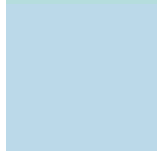
## Original Color

68.3543, 0.2502, 0.3350



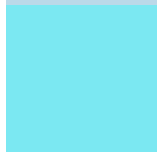
## Protanomaly

66.7571, 0.2856, 0.3289



## Deuteranomaly

66.0737, 0.2821, 0.3105



## Tritanomaly

68.3350, 0.2459, 0.3167

# Monochromacy



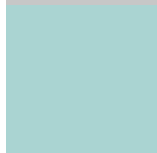
## Original Color

68.3543, 0.2502, 0.3350



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

60.2862, 0.2845, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3543, 0.2502, 0.3350 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(118, 234, 229)` looks like.

```
.text, #text, p{  
    color:rgb(118, 234, 229)  
}
```

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(118, 234, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 234, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3543, 0.2502, 0.3350 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(118, 234, 229) }
```

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

```
.border{ border-color:rgb(118, 234, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 234, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 234, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 234, 229);  
box-shadow:4px 4px 4px 4px rgb(118, 234,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3543, 0.2502, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 234, 229) }
```

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

```
.background{ background-color: rgb(118,  
234, 229) }
```

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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