

# Converting Colors

$Yxy(76.0265, 0.2767, 0.3342)$

Have a look what the booklet for  
Yxy(76.0265, 0.2767, 0.3342)  
contains.

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# Color

**Yxy(76.1462, 0.2767, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">AFEEE9</a>
RGB	<a href="#">175, 238, 233</a>
RGB Percent	<a href="#">69%, 93%, 91%</a>
CMY	<a href="#">0.3135, 0.0667, 0.0863</a>
CMYK	<a href="#">0.26, 0.00, 0.02, 0.07</a>
HSL	<a href="#">175°, 65%, 81%</a>
HSV	<a href="#">175°, 26%, 93%</a>
XYZ	<a href="#">62.9697, 76.1462, 88.4579</a>
YIQ	<a href="#">218.5930, -35.9430, -14.9110</a>

# Conversions

## Conversions Part 2

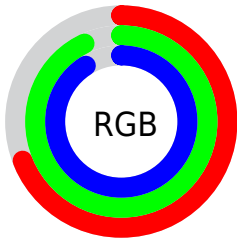
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 208, 238
Decimal	11529961
CIELab	89.93, -20.70, -3.99
CIElCh	90, 21.082, 190.898
Yxy	76.1462, 0.2767, 0.3346
Android (android.graphics.Color)	4289720041 (0xFFAFEEE9)
YUV	218.5930, 7.1027, -38.2311
Hunter-Lab	87.2618, -23.8993, 0.9805

# Details

The Yxy color **76.1462, 0.2767, 0.3346** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.1582, 0.3651, 0.3236**, and the grayscale version is **70.5196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **40.6952, 0.2690, 0.3364** is the 20% darker color. If you saturate the color by 10%, you get **73.5250, 0.2650, 0.3370**, and if you desaturate by 10%, it is **79.2601, 0.2896, 0.3323**.

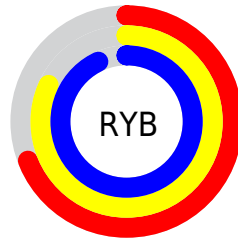
# Distribution



Red (69%)

Green (93%)

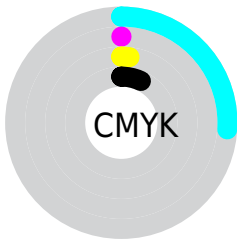
Blue (91%)



Red (69%)

Yellow (82%)

Blue (93%)

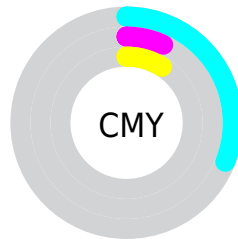


Cyan (26%)

Magenta (0%)

Yellow (2%)

Black (7%)



Cyan (31%)

Magenta (7%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1462, 0.2767, 0.3346 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 76.1462, 0.2767, 0.3346 by changing the saturation by 10% instead.





 76.1462, 0.2767,  
0.3346

 76.1462, 0.2767,  
0.3346


481.8480, 0.2931,  
0.3322

 56.5524, 0.2730,  
0.3351


 127.9335, 0.2823,  
0.3338

 40.6460, 0.2685,  
0.3357


160.8959, 0.2845,  
0.3335

 28.0426, 0.2628,  
0.3364


199.0832, 0.2865,  
0.3332

 18.3578, 0.2555,  
0.3373

242.8799, 0.2881,  
0.3330

 11.2071, 0.2456,  
0.3383

292.6703, 0.2896,  
0.3327

 6.2063, 0.2318,  
0.3397

348.8388, 0.2909,

 2.9709, 0.2109,

0.3326

0.3412

411.7700, 0.2921,  
0.3324

■ 1.1166, 0.1671,  
0.3461

■ 0.0000, 0.0000,  
0.0000

■ 76.1462, 0.2767,  
0.3346

■ 76.1462, 0.2767,  
0.3346

■ 73.5250, 0.2650,  
0.3370

■ 79.2601, 0.2896,  
0.3323

■ 71.3617, 0.2549,  
0.3396

■ 82.8811, 0.3034,  
0.3302

■ 69.6316, 0.2465,  
0.3422


■ 87.0343, 0.3179,  
0.3283


■ 68.3040, 0.2399,  
0.3449

■ 88.7306, 0.3225,  
0.3265

 67.3440, 0.2354,  
0.3476


 88.8441, 0.3213,  
0.3247


 66.7108, 0.2327,  
0.3504


 88.9588, 0.3201,  
0.3228

 66.3534, 0.2318,  
0.3530

 89.0747, 0.3189,  
0.3210

 66.2632, 0.2317,  
0.3540

 89.1917, 0.3177,  
0.3192

 89.3100, 0.3165,  
0.3174

# Harmonies

## Analogous

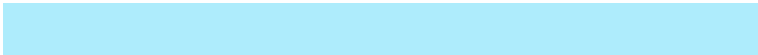
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1462, 0.2968, 0.3570



76.1462, 0.2767, 0.3346



76.1462, 0.2662, 0.3116

# Triad

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



76.1462, 0.2767, 0.3346



76.1462, 0.3022, 0.2908



76.1462, 0.3597, 0.3618

# Complementary

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



76.1462, 0.2767, 0.3346



52.1582, 0.3651, 0.3236

# 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.



76.1462, 0.3616, 0.3432



76.1462, 0.2767, 0.3346



76.1462, 0.3277, 0.3033

# Square

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



76.1462, 0.2767, 0.3346



76.1462, 0.2805, 0.2875



76.1462, 0.3497, 0.3221



76.1462, 0.3448, 0.3725

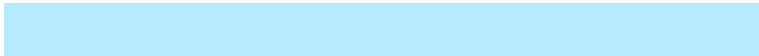


# Rectangle

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



76.1462, 0.2767, 0.3346



76.1462, 0.2658, 0.2994



76.1462, 0.3497, 0.3221



76.1462, 0.3619, 0.3562

# Sweetspot

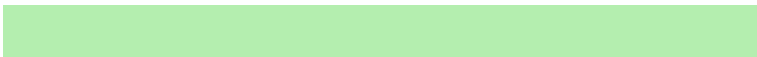
The Sweet Spot groups the original color and five complimentary colors.



76.1493, 0.2767, 0.3346



96.2300, 0.3012, 0.3306



73.9834, 0.3125, 0.4042



20.4551, 0.2991, 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.



76.1493, 0.2767, 0.3346



87.2587, 0.2699, 0.3360



62.2670, 0.2711, 0.2982



17.9060, 0.2992, 0.3309



36.9792, 0.2316, 0.3536



3.0827, 0.2306, 0.3500



# Inverse Universe

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



52.1582, 0.3651, 0.3236



54.5917, 0.3808, 0.3224



63.1793, 0.3623, 0.3579



15.7792, 0.3281, 0.3272



10.1744, 0.6314, 0.3252

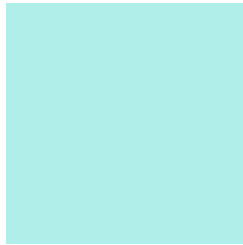


0.8534, 0.6107, 0.3138



# Previews

## White Background



This preview shows how the Yxy color 76.1462, 0.2767, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

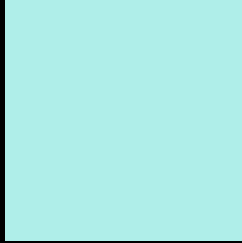
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1462, 0.2767, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

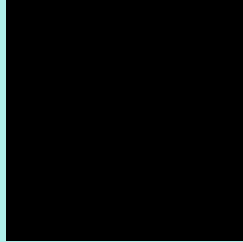
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.1462, 0.2767, 0.3346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1462, 0.2767, 0.3346.

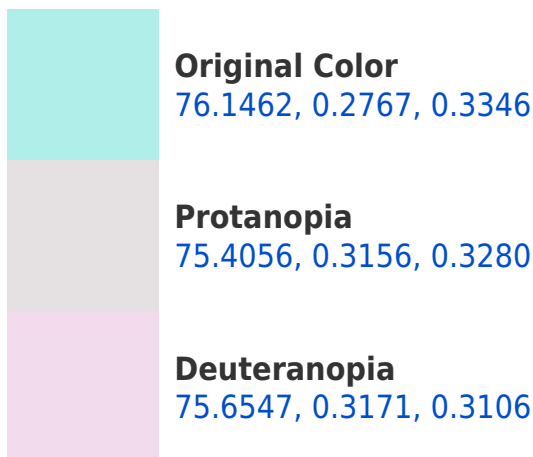


This preview shows how white text looks on a background with the Yxy color 76.1462, 0.2767, 0.3346.

# 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

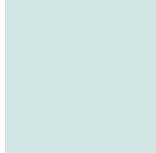
76.2757, 0.2682, 0.3080

# Trichromacy



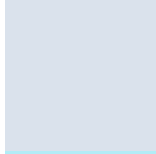
## Original Color

76.1462, 0.2767, 0.3346



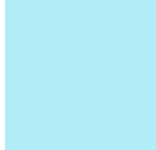
## Protanomaly

75.1954, 0.2999, 0.3301



## Deuteranomaly

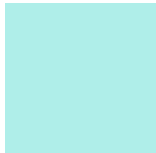
75.3543, 0.3009, 0.3183



## Tritanomaly

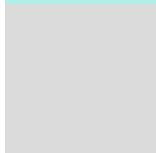
76.1097, 0.2713, 0.3177

# Monochromacy



## Original Color

76.1462, 0.2767, 0.3346



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.4710, 0.2983, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1462, 0.2767, 0.3346 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(175, 238, 233)` looks like.

```
.text, #text, p{  
    color:rgb(175, 238, 233)  
}
```

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(175, 238, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 238, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1462, 0.2767, 0.3346 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(175, 238, 233) }
```

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

```
.border{ border-color:rgb(175, 238, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 238, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 238, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 238, 233);  
box-shadow:4px 4px 4px 4px rgb(175, 238,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1462, 0.2767, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 238, 233) }
```

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

```
.background{ background-color: rgb(175,  
238, 233) }
```

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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