

# Converting Colors

$Yxy(77.8033, 0.2730, 0.3547)$

Have a look what the booklet for  
Yxy(77.8033, 0.2730, 0.3547)  
contains.

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# Color

**Yxy(77.8006, 0.2730, 0.3547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DF5DF
RGB	157, 245, 223
RGB Percent	62%, 96%, 87%
CMY	0.3841, 0.0392, 0.1255
CMYK	0.36, 0.00, 0.09, 0.04
HSL	165°, 81%, 79%
HSV	165°, 36%, 96%
XYZ	59.8804, 77.8006, 81.6610
YIQ	216.1800, -45.3860, -25.4980

# Conversions

## Conversions Part 2

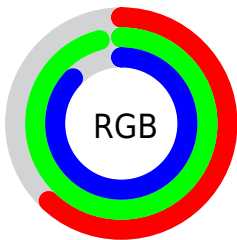
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	157, 207, 245
Decimal	10352095
CIE Lab	90.69, -31.23, 2.24
CIE LCh	91, 31.313, 175.907
Yxy	77.8006, 0.2730, 0.3547
Android (android.graphics.Color)	4288542175 (0xFF9DF5DF)
YUV	216.1800, 3.3623, -51.9009
Hunter-Lab	88.2046, -33.1781, 6.8518

# Details

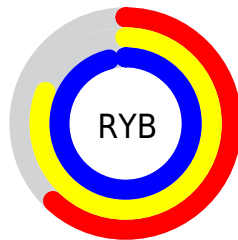
The Yxy color **77.8006, 0.2730, 0.3547** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.7981, 0.3774, 0.3052**, and the grayscale version is **68.8054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **41.5603, 0.2635, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **75.2559, 0.2643, 0.3632**, and if you desaturate by 10%, it is **80.8576, 0.2830, 0.3467**.

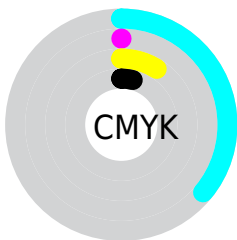
# Distribution



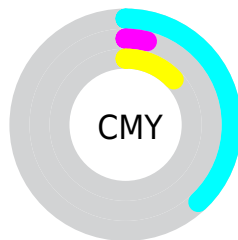
- Red (62%)
- Green (96%)
- Blue (87%)



- Red (62%)
- Yellow (81%)
- Blue (96%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)



- Cyan (38%)
- Magenta (4%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8006, 0.2730, 0.3547 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 77.8006, 0.2730, 0.3547 by changing the saturation by 10% instead.




 77.8006, 0.2730,  
0.3547


 77.8006, 0.2730,  
0.3547

487.4894, 0.2912,  
0.3429

 57.9102, 0.2689,  
0.3574

 130.2690, 0.2793,  
0.3506

 41.7365, 0.2639,  
0.3607


 163.6158, 0.2817,  
0.3490

 28.8950, 0.2575,  
0.3649

202.2168, 0.2838,  
0.3476

 19.0014, 0.2493,  
0.3704

246.4564, 0.2857,  
0.3464

 11.6713, 0.2383,  
0.3779

296.7191, 0.2873,  
0.3454

 6.5203, 0.2227,  
0.3885

353.3893, 0.2887,

 3.1639, 0.1990,

0.3444

0.4051

416.8512, 0.2900,  
0.3436

■ 1.2179, 0.1331,  
0.4474

■ 0.0763, 0.0000,  
1.0000

■ 77.8006, 0.2730,  
0.3547

■ 77.8006, 0.2730,  
0.3547

■ 75.2559, 0.2643,  
0.3632

■ 80.8576, 0.2830,  
0.3467

■ 73.1844, 0.2571,  
0.3721

■ 84.4450, 0.2940,  
0.3394

■ 71.5561, 0.2518,  
0.3814


■ 88.5911, 0.3056,  
0.3327

■ 70.3338, 0.2484,  
0.3908


■ 93.3115, 0.3177,  
0.3266

 69.4739, 0.2471,  
0.4003

 93.6974, 0.3140,  
0.3207

 68.9225, 0.2476,  
0.4096

 93.7844, 0.3132,  
0.3194

 68.7516, 0.2482,  
0.4134

# Harmonies

## Analogous

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



77.8006, 0.3066, 0.3839



77.8006, 0.2730, 0.3547



77.8006, 0.2507, 0.3188

# Triad

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



77.8006, 0.2730, 0.3547



77.8006, 0.2799, 0.2697



77.8006, 0.3862, 0.3631

# Complementary

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



77.8006, 0.2730, 0.3547



46.7981, 0.3774, 0.3052

# 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.



77.8006, 0.3787, 0.3334



77.8006, 0.2730, 0.3547



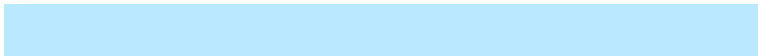
77.8006, 0.3155, 0.2816

# Square

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



77.8006, 0.2730, 0.3547



77.8006, 0.2546, 0.2718



77.8006, 0.3522, 0.3043



77.8006, 0.3727, 0.3865



# Rectangle

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



77.8006, 0.2730, 0.3547



77.8006, 0.2445, 0.2976



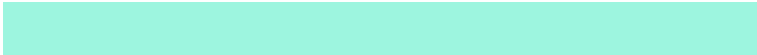
77.8006, 0.3522, 0.3043



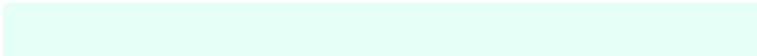
77.8006, 0.3861, 0.3536

# Sweetspot

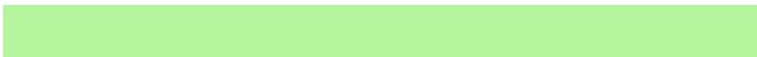
The Sweet Spot groups the original color and five complimentary colors.



77.8037, 0.2730, 0.3547



94.6188, 0.2996, 0.3360



77.5034, 0.3222, 0.4329



20.1217, 0.2980, 0.3369



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

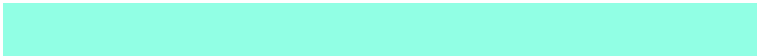


# Same Dimension

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



77.8037, 0.2730, 0.3547



83.1484, 0.2666, 0.3608



67.3327, 0.2589, 0.3048



18.6828, 0.3014, 0.3350



37.0615, 0.2478, 0.4119



3.2737, 0.2445, 0.4002



# Inverse Universe

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



46.7981, 0.3774, 0.3052



44.6271, 0.3969, 0.3005



53.5168, 0.3914, 0.3516



16.5506, 0.3254, 0.3231



10.6599, 0.5930, 0.3041

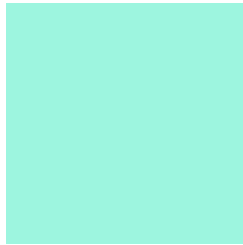


0.9527, 0.5581, 0.2848



# Previews

## White Background



This preview shows how the Yxy color 77.8006, 0.2730, 0.3547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

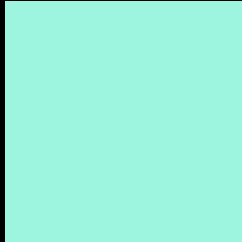
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.8006, 0.2730, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

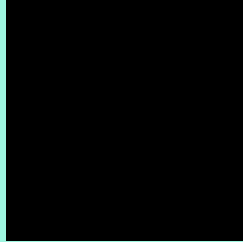
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.8006, 0.2730, 0.3547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8006, 0.2730, 0.3547.

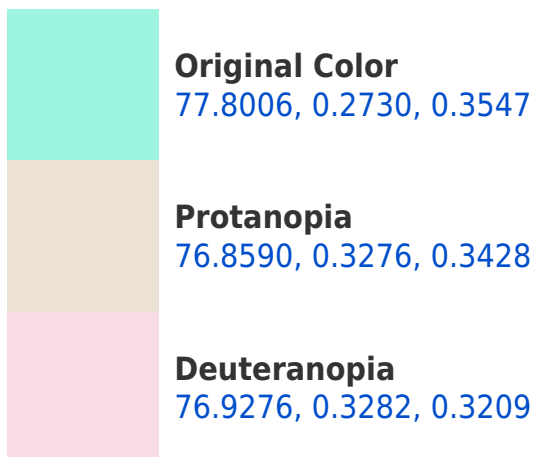


This preview shows how white text looks on a background with the Yxy color 77.8006, 0.2730, 0.3547.

# 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

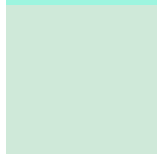
77.5992, 0.2659, 0.3101

# Trichromacy



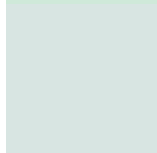
## Original Color

77.8006, 0.2730, 0.3547



## Protanomaly

76.5530, 0.3052, 0.3467



## Deuteranomaly

76.1285, 0.3058, 0.3322



## Tritanomaly

77.8167, 0.2686, 0.3266

# Monochromacy



## Original Color

77.8006, 0.2730, 0.3547



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.6547, 0.2961, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8006, 0.2730, 0.3547 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(157, 245, 223)` looks like.

```
.text, #text, p{  
    color:rgb(157, 245, 223)  
}
```

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(157, 245, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 245, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8006, 0.2730, 0.3547 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(157, 245, 223) }
```

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

```
.border{ border-color:rgb(157, 245, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 245, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 245, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 245, 223);  
box-shadow:4px 4px 4px 4px rgb(157, 245,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8006, 0.2730, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 245, 223) }
```

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

```
.background{ background-color: rgb(157,  
245, 223) }
```

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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