

# Converting Colors

$Yxy(77.9858, 0.2670, 0.3281)$

Have a look what the booklet for  
Yxy(77.9858, 0.2670, 0.3281)  
contains.

<b>Yxy(77.9747, 0.2667, 0.3277)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(77.9747, 0.2667, 0.3277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F2F3
RGB	165, 242, 243
RGB Percent	65%, 95%, 95%
CMY	0.3526, 0.0510, 0.0470
CMYK	0.32, 0.00, 0.00, 0.05
HSL	181°, 76%, 80%
HSV	181°, 32%, 95%
XYZ	63.4600, 77.9747, 96.5106
YIQ	219.0910, -46.2130, -16.0130

# Conversions

## Conversions Part 2

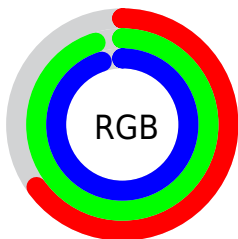
Format	Color
R <sub>Y</sub> B	165, 204, 243
Decimal	10875635
CIE Lab	90.77, -23.20, -8.03
CIE LCh	91, 24.551, 199.103
Yxy	77.9747, 0.2667, 0.3277
Android (android.graphics.Color)	4289065715 (0xFFA5F2F3)
YUV	219.0910, 11.7871, -47.4378
Hunter-Lab	88.3033, -26.2499, -2.9884

# Details

The Yxy color **77.9747, 0.2667, 0.3277** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.0870, 0.3864, 0.3303**, and the grayscale version is **70.8588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **41.9569, 0.2562, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **75.4231, 0.2550, 0.3273**, and if you desaturate by 10%, it is **81.0280, 0.2798, 0.3281**.

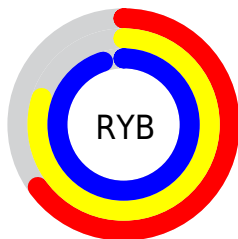
# Distribution



Red (65%)

Green (95%)

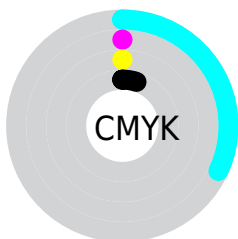
Blue (95%)



Red (65%)

Yellow (80%)

Blue (95%)

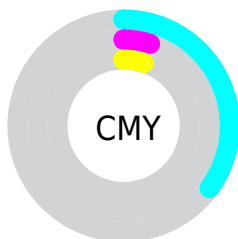


Cyan (32%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (5%)


Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9747, 0.2667, 0.3277 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 77.9747, 0.2667, 0.3277 by changing the saturation by 10% instead.





 77.9747, 0.2667,  
0.3277


 77.9747, 0.2667,  
0.3277


488.0809, 0.2874,  
0.3287

 58.0532, 0.2621,  
0.3274


 130.5145, 0.2738,  
0.3281

 41.8514, 0.2565,  
0.3270


 163.9015, 0.2766,  
0.3282

 28.9850, 0.2495,  
0.3264


202.5458, 0.2790,  
0.3283

 19.0694, 0.2405,  
0.3255

246.8319, 0.2811,  
0.3284

 11.7205, 0.2285,  
0.3242

297.1440, 0.2830,  
0.3285

 6.5536, 0.2120,  
0.3219

353.8666, 0.2846,

 3.1846, 0.1878,

0.3286

417.3841, 0.2861,  
0.3286

0.3176

1.2288, 0.1431,  
0.3102

0.0851, 0.0000,  
0.1150

77.9747, 0.2667,  
0.3277

77.9747, 0.2667,  
0.3277

75.4231, 0.2550,  
0.3273

81.0280, 0.2798,  
0.3281

73.3357, 0.2451,  
0.3268

84.5997, 0.2942,  
0.3285

71.6848, 0.2371,  
0.3263

88.7168, 0.3095,  
0.3289

70.4357, 0.2310,  
0.3259

91.9941, 0.3205,  
0.3293

■ 69.5485, 0.2268,  
0.3255

■ 92.1860, 0.3205,  
0.3296

■ 68.9752, 0.2245,  
0.3250

■ 92.3781, 0.3205,  
0.3299

■ 68.6848, 0.2235,  
0.3247

■ 92.5707, 0.3205,  
0.3302

■ 92.7635, 0.3204,  
0.3305

■ 92.9567, 0.3204,  
0.3308

# Harmonies

## Analogous

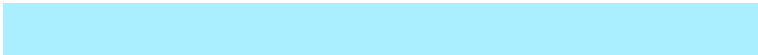
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9747, 0.2871, 0.3549



77.9747, 0.2667, 0.3277



77.9747, 0.2584, 0.3024

# Triad

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



77.9747, 0.2667, 0.3277



77.9747, 0.3084, 0.2882



77.9747, 0.3636, 0.3712

# Complementary

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



77.9747, 0.2667, 0.3277



49.0870, 0.3864, 0.3303

# 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.



77.9747, 0.3703, 0.3515



77.9747, 0.2667, 0.3277



77.9747, 0.3376, 0.3048

# Square

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



77.9747, 0.2667, 0.3277



77.9747, 0.2816, 0.2812



77.9747, 0.3607, 0.3274



77.9747, 0.3430, 0.3805

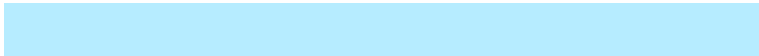


# Rectangle

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



77.9747, 0.2667, 0.3277



77.9747, 0.2604, 0.2902



77.9747, 0.3607, 0.3274



77.9747, 0.3676, 0.3655

# Sweetspot

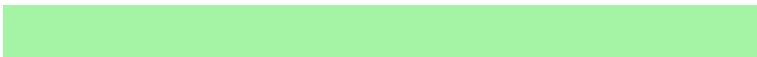
The Sweet Spot groups the original color and five complimentary colors.



77.9778, 0.2667, 0.3277



95.2665, 0.2973, 0.3286



74.8374, 0.3083, 0.4242



20.2593, 0.2952, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

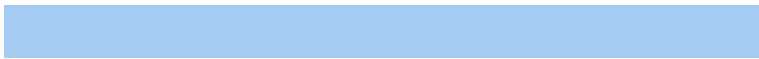
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9778, 0.2667, 0.3277



85.2084, 0.2595, 0.3274



57.6876, 0.2612, 0.2826



18.7182, 0.2981, 0.3286



37.7083, 0.2235, 0.3248



3.3260, 0.2237, 0.3253



# Inverse Universe

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



52.4061, 0.3173, 0.2502



52.8860, 0.3182, 0.2359



64.9848, 0.3734, 0.3712



16.7643, 0.3140, 0.3060



13.9060, 0.3242, 0.1560

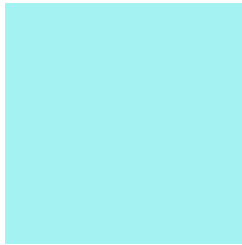


1.2234, 0.3238, 0.1557



# Previews

## White Background



This preview shows how the Yxy color 77.9747, 0.2667, 0.3277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

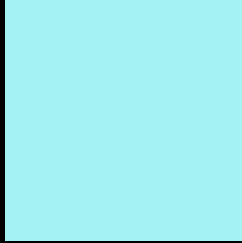
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9747, 0.2667, 0.3277 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

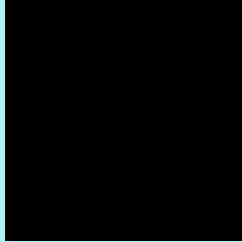
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.9747, 0.2667, 0.3277**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9747, 0.2667, 0.3277.

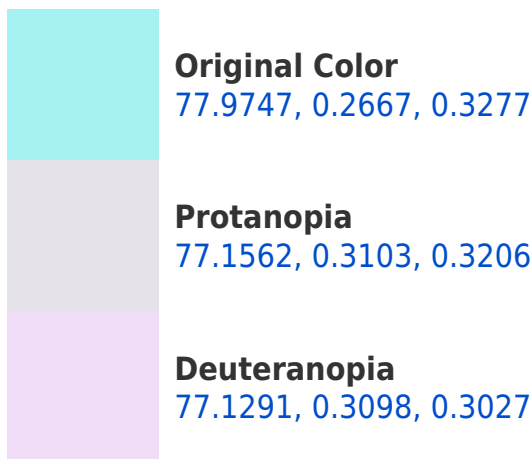


This preview shows how white text looks on a background with the Yxy color 77.9747, 0.2667, 0.3277.

# 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

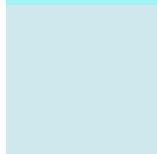
77.8340, 0.2670, 0.3102

# Trichromacy



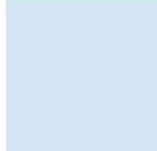
## Original Color

77.9747, 0.2667, 0.3277



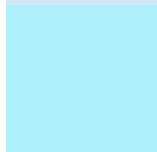
## Protanomaly

76.9495, 0.2926, 0.3235



## Deuteranomaly

76.8386, 0.2917, 0.3109



## Tritanomaly

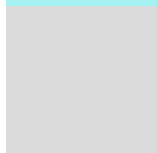
77.5823, 0.2664, 0.3155

# Monochromacy



## Original Color

77.9747, 0.2667, 0.3277



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

72.6817, 0.2933, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9747, 0.2667, 0.3277 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(165, 242, 243)` looks like.

```
.text, #text, p{  
    color:rgb(165, 242, 243)  
}
```

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(165, 242, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 242, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9747, 0.2667, 0.3277 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(165, 242, 243) }
```

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

```
.border{ border-color:rgb(165, 242, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 242, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 242, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 242, 243);  
box-shadow:4px 4px 4px 4px rgb(165, 242,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9747, 0.2667, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 242, 243) }
```

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

```
.background{ background-color: rgb(165,  
242, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor