

# Converting Colors

$Y_{xy}(91.5953, 0.2740, 0.3387)$

Have a look what the booklet for  
Yxy(91.5953, 0.2740, 0.3387)  
contains.

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# Color

**Yxy(88.5523, 0.2735, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7FFFB
RGB	183, 255, 251
RGB Percent	72%, 100%, 98%
CMY	0.2827, 0.0000, 0.0157
CMYK	0.28, 0.00, 0.02, 0.00
HSL	177°, 100%, 86%
HSV	177°, 28%, 100%
XYZ	72.6862, 88.5523, 104.5247
YIQ	233.0160, -41.6280, -16.5080

# Conversions

## Conversions Part 2

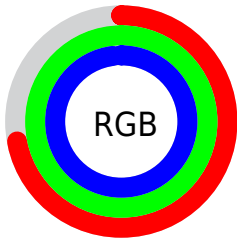
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 220, 255
Decimal	12058619
CIE <sub>Lab</sub>	95.39, -22.91, -5.24
CIE <sub>LCh</sub>	95, 23.497, 192.881
Yxy	88.5523, 0.2735, 0.3332
Android (android.graphics.Color)	4290248699 (0xFFB7FFFB)
YUV	233.0160, 8.8661, -43.8640
Hunter-Lab	94.1022, -26.8023, 0.0148

# Details

The Yxy color **88.5523, 0.2735, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6796, 0.3717, 0.3250**, and the grayscale version is **81.4344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **48.9175, 0.2652, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **85.6066, 0.2618, 0.3349**, and if you desaturate by 10%, it is **92.0457, 0.2865, 0.3316**.

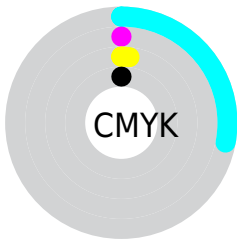
# Distribution



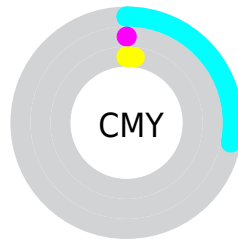
- Red (72%)
- Green (100%)
- Blue (98%)



- Red (72%)
- Yellow (86%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5523, 0.2735, 0.3332 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 88.5523, 0.2735, 0.3332 by changing the saturation by 10% instead.




 88.5523, 0.2735,  
0.3332

 88.5523, 0.2735,  
0.3332


523.3102, 0.2908,  
0.3316

 66.7806, 0.2697,  
0.3335


 145.3258, 0.2794,  
0.3327

 48.9063, 0.2651,  
0.3339


181.0964, 0.2817,  
0.3325

 34.5452, 0.2595,  
0.3343


222.3021, 0.2837,  
0.3323

 23.3127, 0.2523,  
0.3347

269.3272, 0.2855,  
0.3321

 14.8246, 0.2428,  
0.3352

322.5562, 0.2871,  
0.3319

 8.6964, 0.2300,  
0.3357

382.3734, 0.2885,

 4.5437, 0.2115,

0.3318

0.3360

449.1633, 0.2897,  
0.3317

1.9821, 0.1828,  
0.3354

0.5970, 0.0051,  
0.3680

88.5523, 0.2735,  
0.3332

88.5523, 0.2735,  
0.3332

85.6066, 0.2618,  
0.3349

92.0457, 0.2865,  
0.3316

83.2069, 0.2518,  
0.3366

96.1441, 0.3005,  
0.3301

81.3101, 0.2435,  
0.3385

100.0000, 0.3127,  
0.3290

79.8789, 0.2372,  
0.3404

■ 78.8709, 0.2329,  
0.3422

■ 78.2358, 0.2304,  
0.3441

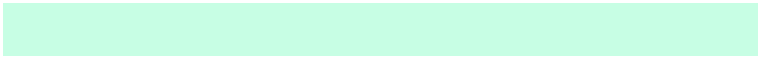
■ 77.9045, 0.2296,  
0.3459

■ 77.8613, 0.2295,  
0.3462

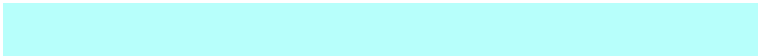
# Harmonies

## Analogous

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



88.5523, 0.2942, 0.3573



88.5523, 0.2735, 0.3332



88.5523, 0.2632, 0.3090

# Triad

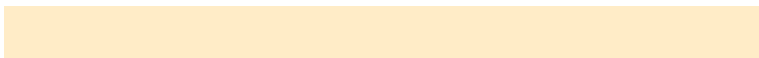
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5523, 0.2735, 0.3332



88.5523, 0.3033, 0.2892



88.5523, 0.3618, 0.3647

# Complementary

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



88.5523, 0.2735, 0.3332



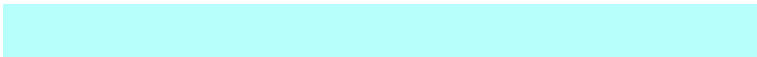
58.6796, 0.3717, 0.3250

# 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.



88.5523, 0.3649, 0.3454



88.5523, 0.2735, 0.3332



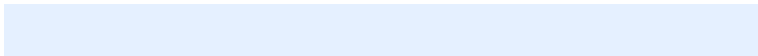
88.5523, 0.3303, 0.3029

# Square

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



88.5523, 0.2735, 0.3332



88.5523, 0.2799, 0.2850



88.5523, 0.3532, 0.3231

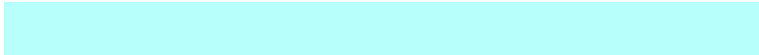


88.5523, 0.3453, 0.3754



# Rectangle

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



88.5523, 0.2735, 0.3332



88.5523, 0.2634, 0.2965



88.5523, 0.3532, 0.3231



88.5523, 0.3645, 0.3589

# Sweetspot

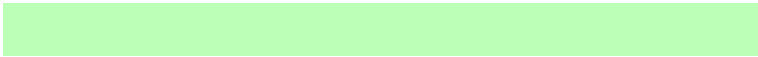
The Sweet Spot groups the original color and five complimentary colors.



88.5427, 0.2735, 0.3332



96.2614, 0.3009, 0.3301



85.5925, 0.3117, 0.4107



20.4630, 0.2988, 0.3303



0.0000, 0.0000, 0.0000

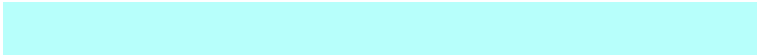


21.4041, 0.3127, 0.3290

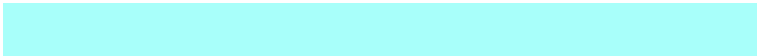


# Same Dimension

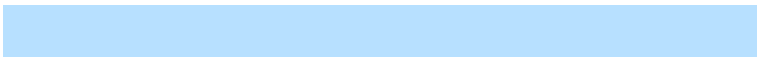
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5427, 0.2735, 0.3332



86.7916, 0.2666, 0.3341



70.4636, 0.2679, 0.2943



20.4630, 0.2988, 0.3303



40.6918, 0.2294, 0.3459



3.9671, 0.2288, 0.3438



# Inverse Universe

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



58.6796, 0.3717, 0.3250



52.3977, 0.3888, 0.3242



72.8478, 0.3663, 0.3613



18.0034, 0.3286, 0.3277



11.1321, 0.6345, 0.3269

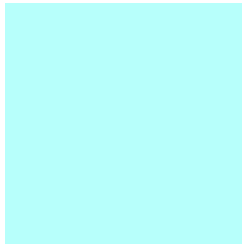


1.0894, 0.6215, 0.3197



# Previews

## White Background



This preview shows how the Yxy color 88.5523, 0.2735, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

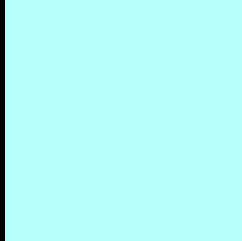
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5523, 0.2735, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

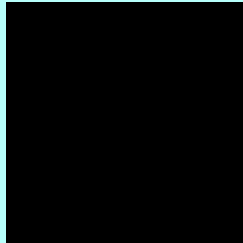
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.5523, 0.2735, 0.3332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5523, 0.2735, 0.3332.

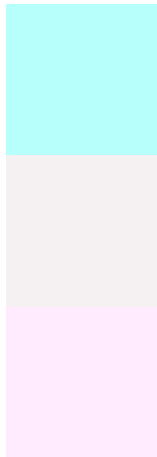


This preview shows how white text looks on a background with the Yxy color 88.5523, 0.2735, 0.3332.

# 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

88.5523, 0.2735, 0.3332

### Protanopia

88.1435, 0.3148, 0.3270

### Deuteranopia

87.7685, 0.3149, 0.3116



## Tritanopia

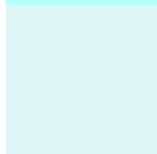
88.3472, 0.2914, 0.3198

# Trichromacy



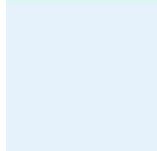
## Original Color

88.5523, 0.2735, 0.3332



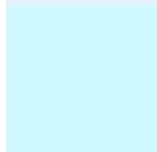
## Protanomaly

87.4270, 0.2982, 0.3290



## Deuteranomaly

87.1905, 0.2985, 0.3189



## Tritanomaly

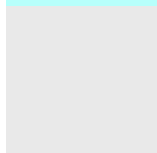
88.1725, 0.2845, 0.3237

# Monochromacy



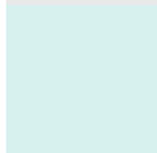
## Original Color

88.5523, 0.2735, 0.3332



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.6489, 0.2967, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5523, 0.2735, 0.3332 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(183, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 251)  
}
```

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(183, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5523, 0.2735, 0.3332 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(183, 255, 251) }
```

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

```
.border{ border-color:rgb(183, 255, 251) }
```

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

Here you see how a box with a 4 pixel rgb(183, 255, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5523, 0.2735, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 251) }
```

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

```
.background{ background-color: rgb(183,  
255, 251) }
```

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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