

# Converting Colors

$Y_{xy}(79.9281, 0.2710, 0.3318)$

Have a look what the booklet for  
Yxy(79.9281, 0.2710, 0.3318)  
contains.

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# Color

**Yxy(79.7701, 0.2705, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABF4F2
RGB	171, 244, 242
RGB Percent	67%, 96%, 95%
CMY	0.3295, 0.0431, 0.0509
CMYK	0.30, 0.00, 0.01, 0.04
HSL	178°, 77%, 81%
HSV	178°, 30%, 96%
XYZ	65.1701, 79.7701, 95.9843
YIQ	221.9450, -42.8660, -16.0980

# Conversions

## Conversions Part 2

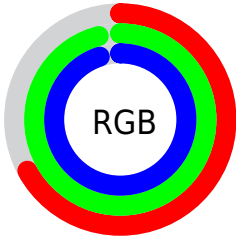
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	171, 208, 244
Decimal	11269362
CIE Lab	91.58, -22.81, -6.28
CIE LCh	92, 23.663, 195.397
Yxy	79.7701, 0.2705, 0.3311
Android (android.graphics.Color)	4289459442 (0xFFABF4F2)
YUV	221.9450, 9.8871, -44.6788
Hunter-Lab	89.3141, -26.0531, -1.1981

# Details

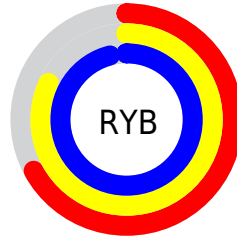
The Yxy color **79.7701, 0.2705, 0.3311** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.3656, 0.3782, 0.3270**, and the grayscale version is **72.9564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **43.2246, 0.2614, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **77.2422, 0.2589, 0.3319**, and if you desaturate by 10%, it is **82.8103, 0.2836, 0.3303**.

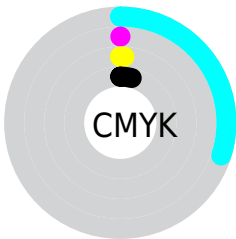
# Distribution



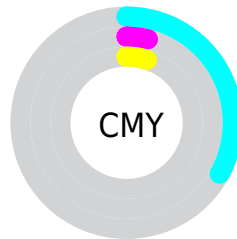
- Red (67%)
- Green (96%)
- Blue (95%)



- Red (67%)
- Yellow (82%)
- Blue (96%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)




- Cyan (33%)
- Magenta (4%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7701, 0.2705, 0.3311 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 79.7701, 0.2705, 0.3311 by changing the saturation by 10% instead.




 79.7701, 0.2705,  
0.3311

 79.7701, 0.2705,  
0.3311


494.1577, 0.2895,  
0.3304

 59.5292, 0.2663,  
0.3312

 133.0425, 0.2770,  
0.3309

 43.0393, 0.2611,  
0.3313


166.8427, 0.2795,  
0.3308

 29.9159, 0.2547,  
0.3313


205.9315, 0.2818,  
0.3308

 19.7748, 0.2465,  
0.3313

250.6932, 0.2837,  
0.3307

 12.2314, 0.2356,  
0.3311

301.5123, 0.2854,  
0.3306

 6.9015, 0.2205,  
0.3305

358.7732, 0.2869,

 3.4006, 0.1983,

0.3306

422.8602, 0.2883,  
0.3305

0.3289

1.3443, 0.1602,  
0.3255

0.1751, 0.0000,  
0.2175

79.7701, 0.2705,  
0.3311

79.7701, 0.2705,  
0.3311

77.2422, 0.2589,  
0.3319

82.8103, 0.2836,  
0.3303

75.1891, 0.2489,  
0.3328

86.3789, 0.2978,  
0.3296

73.5835, 0.2408,  
0.3336


90.5031, 0.3128,  
0.3290


72.3912, 0.2346,  
0.3345

92.5389, 0.3195,  
0.3284

 71.5732, 0.2304,  
0.3354


 92.5794, 0.3191,  
0.3277

 71.0832, 0.2280,  
0.3363

 92.6200, 0.3186,  
0.3271

 70.8441, 0.2270,  
0.3372

 92.6608, 0.3182,  
0.3265

 70.8428, 0.2270,  
0.3372

 92.7017, 0.3178,  
0.3258

 92.7428, 0.3174,  
0.3252

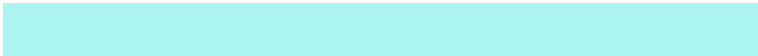
# Harmonies

## Analogous

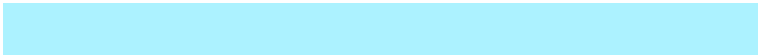
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7701, 0.2912, 0.3567



79.7701, 0.2705, 0.3311



79.7701, 0.2609, 0.3063

# Triad

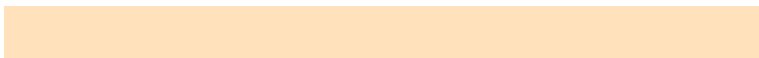
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7701, 0.2705, 0.3311



79.7701, 0.3052, 0.2885



79.7701, 0.3630, 0.3675

# Complementary

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



79.7701, 0.2705, 0.3311



51.3656, 0.3782, 0.3270

# 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.



79.7701, 0.3675, 0.3479



79.7701, 0.2705, 0.3311



79.7701, 0.3333, 0.3034

# Square

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



79.7701, 0.2705, 0.3311



79.7701, 0.2802, 0.2832



79.7701, 0.3565, 0.3247



79.7701, 0.3447, 0.3778

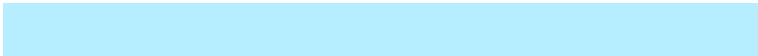


# Rectangle

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



79.7701, 0.2705, 0.3311



79.7701, 0.2618, 0.2937



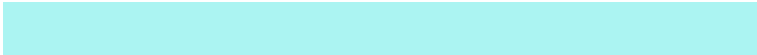
79.7701, 0.3565, 0.3247



79.7701, 0.3662, 0.3617

# Sweetspot

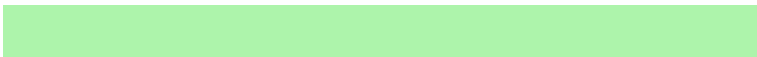
The Sweet Spot groups the original color and five complimentary colors.



79.7733, 0.2705, 0.3311



95.8641, 0.2991, 0.3296



76.5762, 0.3101, 0.4164



20.3859, 0.2970, 0.3297



0.0000, 0.0000, 0.0000

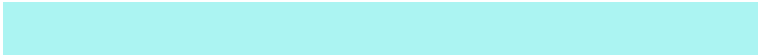


21.4041, 0.3127, 0.3290



# Same Dimension

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



79.7733, 0.2705, 0.3311



86.3881, 0.2631, 0.3316



61.2432, 0.2650, 0.2891



18.7496, 0.2984, 0.3296



38.5211, 0.2270, 0.3370



3.3880, 0.2267, 0.3359



# Inverse Universe

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



51.3656, 0.3782, 0.3270



50.2674, 0.3978, 0.3266



65.8632, 0.3693, 0.3657



16.4898, 0.3290, 0.3284



10.4690, 0.6372, 0.3284

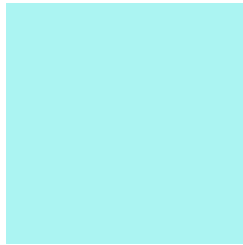


0.9226, 0.6300, 0.3244



# Previews

## White Background



This preview shows how the Yxy color 79.7701, 0.2705, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

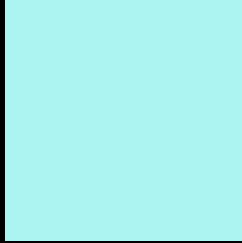
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.7701, 0.2705, 0.3311 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

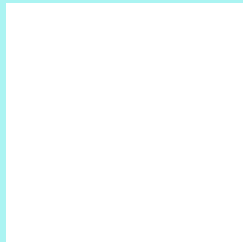
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.7701, 0.2705, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.7701, 0.2705, 0.3311.

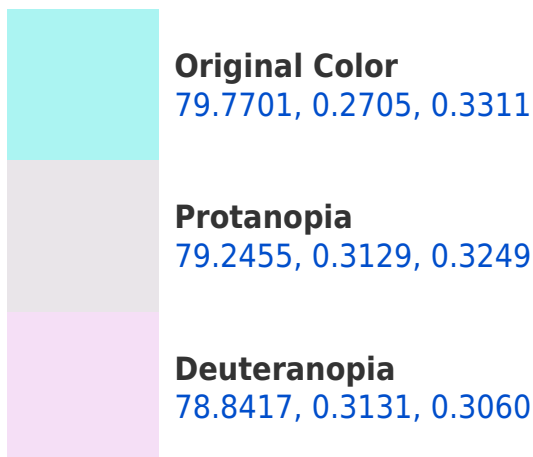


This preview shows how white text looks on a background with the Yxy color 79.7701, 0.2705, 0.3311.

# 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

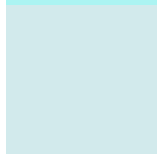
79.5178, 0.2720, 0.3116

# Trichromacy



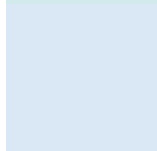
## Original Color

79.7701, 0.2705, 0.3311



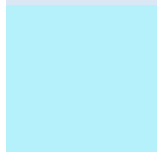
## Protanomaly

78.6034, 0.2958, 0.3268



## Deuteranomaly

78.6498, 0.2955, 0.3142



## Tritanomaly

79.6365, 0.2715, 0.3190

# Monochromacy



## Original Color

79.7701, 0.2705, 0.3311



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

74.9473, 0.2954, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7701, 0.2705, 0.3311 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(171, 244, 242)` looks like.

```
.text, #text, p{  
    color:rgb(171, 244, 242)  
}
```

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(171, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 244, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7701, 0.2705, 0.3311 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(171, 244, 242) }
```

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

```
.border{ border-color:rgb(171, 244, 242) }
```

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

Here you see how a box with a 4 pixel rgb(171, 244, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(171, 244,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.7701, 0.2705, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 244, 242) }
```

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

```
.background{ background-color: rgb(171,  
244, 242) }
```

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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