

# Converting Colors

Yxy(81.1828, 0.2729, 0.3369)

Have a look what the booklet for  
Yxy(81.1828, 0.2729, 0.3369)  
contains.

<b>Yxy(80.9142, 0.2728, 0.3367)</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(80.9142, 0.2728, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACF6EF
RGB	172, 246, 239
RGB Percent	67%, 96%, 94%
CMY	0.3253, 0.0353, 0.0626
CMYK	0.30, 0.00, 0.03, 0.04
HSL	174°, 80%, 82%
HSV	174°, 30%, 96%
XYZ	65.5580, 80.9142, 93.8432
YIQ	223.0760, -41.8570, -17.8650

# Conversions

## Conversions Part 2

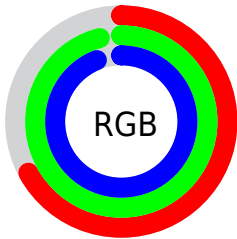
Format	Color
R <sub>Y</sub> B	172, 211, 246
Decimal	11335407
CIE Lab	92.09, -24.15, -3.96
CIE LCh	92, 24.470, 189.321
Yxy	80.9142, 0.2728, 0.3367
Android (android.graphics.Color)	4289525487 (0xFFACF6EF)
YUV	223.0760, 7.8505, -44.7937
Hunter-Lab	89.9523, -27.3242, 1.1121

# Details

The Yxy color **80.9142, 0.2728, 0.3367** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.3675, 0.3740, 0.3216**, and the grayscale version is **73.8226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **43.5960, 0.2640, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **78.2499, 0.2618, 0.3397**, and if you desaturate by 10%, it is **84.1019, 0.2851, 0.3339**.

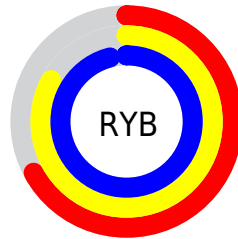
# Distribution



Red (67%)

Green (96%)

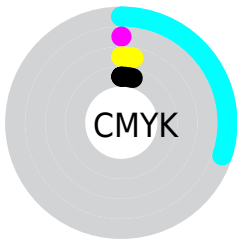
Blue (94%)



Red (67%)

Yellow (83%)

Blue (96%)

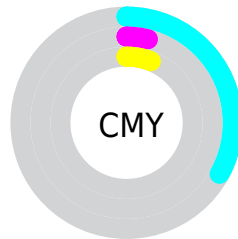


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (4%)



Cyan (33%)

Magenta (4%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9142, 0.2728, 0.3367 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 80.9142, 0.2728, 0.3367 by changing the saturation by 10% instead.




 80.9142, 0.2728,  
0.3367

 80.9142, 0.2728,  
0.3367


498.0084, 0.2908,  
0.3334

 60.4709, 0.2688,  
0.3374


 134.6503, 0.2789,  
0.3356

 43.7983, 0.2639,  
0.3382


168.7119, 0.2814,  
0.3352

 30.5120, 0.2579,  
0.3392


208.0818, 0.2834,  
0.3348

 20.2275, 0.2501,  
0.3404

253.1442, 0.2853,  
0.3344

 12.5605, 0.2398,  
0.3419

304.2838, 0.2869,  
0.3341

 7.1266, 0.2254,  
0.3439


361.8847, 0.2883,


 3.5414, 0.2042,

0.3339

0.3463


426.3315, 0.2896,  
0.3336


 1.4205, 0.1682,  
0.3497


 0.2318, 0.0000,  
0.3045


 80.9142, 0.2728,  
0.3367


 80.9142, 0.2728,  
0.3367


 78.2499, 0.2618,  
0.3397


 84.1019, 0.2851,  
0.3339


 76.0709, 0.2523,  
0.3427


 87.8296, 0.2985,  
0.3314


 74.3491, 0.2447,  
0.3459


 92.1250, 0.3126,  
0.3290

 73.0497, 0.2390,  
0.3492


 93.9645, 0.3171,  
0.3268

 72.1329, 0.2353,  
0.3525

 94.1095, 0.3157,  
0.3246

 71.5510, 0.2334,  
0.3557

 94.2563, 0.3143,  
0.3224

 71.2264, 0.2330,  
0.3589

 94.3887, 0.3131,  
0.3204

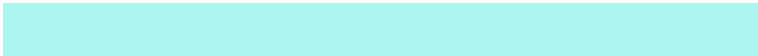
# Harmonies

## Analogous

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



80.9142, 0.2959, 0.3621



80.9142, 0.2728, 0.3367



80.9142, 0.2604, 0.3103

# Triad

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



80.9142, 0.2728, 0.3367



80.9142, 0.2992, 0.2854



80.9142, 0.3667, 0.3651

# Complementary

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



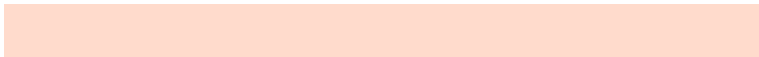
80.9142, 0.2728, 0.3367



52.3675, 0.3740, 0.3216

# 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.



80.9142, 0.3681, 0.3436



80.9142, 0.2728, 0.3367



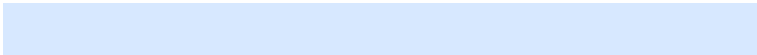
80.9142, 0.3281, 0.2990

# Square

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



80.9142, 0.2728, 0.3367



80.9142, 0.2751, 0.2822



80.9142, 0.3537, 0.3198

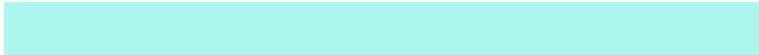


80.9142, 0.3503, 0.3781

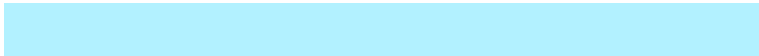


# Rectangle

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



80.9142, 0.2728, 0.3367



80.9142, 0.2594, 0.2961



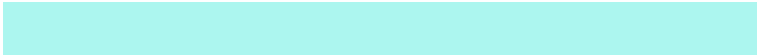
80.9142, 0.3537, 0.3198



80.9142, 0.3689, 0.3586

# Sweetspot

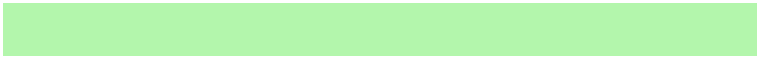
The Sweet Spot groups the original color and five complimentary colors.



80.9175, 0.2728, 0.3367



95.7657, 0.3000, 0.3311



78.5245, 0.3132, 0.4161



20.3615, 0.2980, 0.3315



0.0000, 0.0000, 0.0000

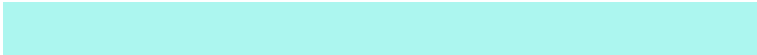


21.4041, 0.3127, 0.3290

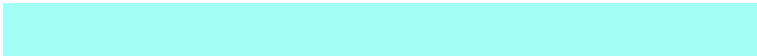


# Same Dimension

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



80.9175, 0.2728, 0.3367



86.0030, 0.2660, 0.3385



64.7526, 0.2655, 0.2948



18.7293, 0.2993, 0.3312



38.0309, 0.2329, 0.3583



3.3502, 0.2318, 0.3543



# Inverse Universe

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



52.3675, 0.3740, 0.3216



50.4983, 0.3918, 0.3201



64.6362, 0.3711, 0.3608



16.5079, 0.3279, 0.3268



10.5001, 0.6294, 0.3241

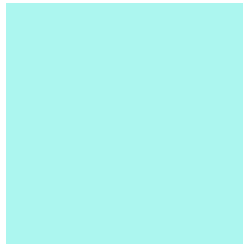


0.9313, 0.6070, 0.3117



# Previews

## White Background



This preview shows how the Yxy color 80.9142, 0.2728, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

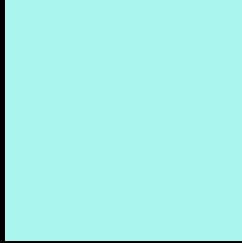
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9142, 0.2728, 0.3367 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

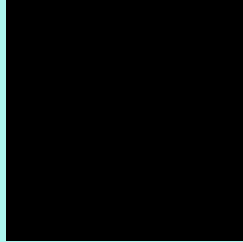
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.9142, 0.2728, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9142, 0.2728, 0.3367.

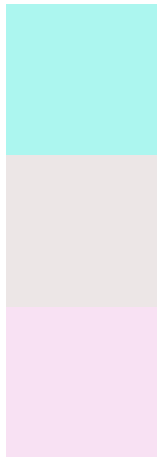


This preview shows how white text looks on a background with the Yxy color 80.9142, 0.2728, 0.3367.

# 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

80.9142, 0.2728, 0.3367

### Protanopia

80.1397, 0.3168, 0.3290

### Deuteranopia

80.2780, 0.3170, 0.3111



## Tritanopia

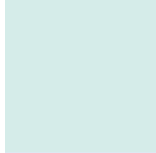
80.7466, 0.2748, 0.3128

# Trichromacy



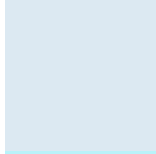
## Original Color

80.9142, 0.2728, 0.3367



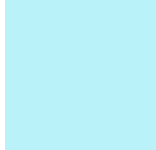
## Protanomaly

80.0202, 0.2995, 0.3322



## Deuteranomaly

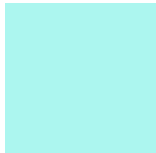
79.9043, 0.2986, 0.3195



## Tritanomaly

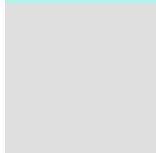
80.6581, 0.2743, 0.3212

# Monochromacy



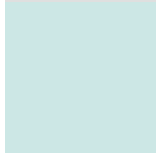
## Original Color

80.9142, 0.2728, 0.3367



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.6463, 0.2960, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9142, 0.2728, 0.3367 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(172, 246, 239)` looks like.

```
.text, #text, p{  
    color:rgb(172, 246, 239)  
}
```

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(172, 246, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 246, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9142, 0.2728, 0.3367 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(172, 246, 239) }
```

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

```
.border{ border-color:rgb(172, 246, 239) }
```

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

Here you see how a box with a 4 pixel rgb(172, 246, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 246, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 246, 239);  
box-shadow:4px 4px 4px 4px rgb(172, 246,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9142, 0.2728, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 246, 239) }
```

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

```
.background{ background-color: rgb(172,  
246, 239) }
```

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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