

# Converting Colors

$Yxy(81.8978, 0.2736, 0.3257)$

Have a look what the booklet for  
Yxy(81.8978, 0.2736, 0.3257)  
contains.

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# Color

**Yxy(82.0272, 0.2734, 0.3256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6F5F8
RGB	182, 245, 248
RGB Percent	71%, 96%, 97%
CMY	0.2865, 0.0391, 0.0274
CMYK	0.27, 0.01, 0.00, 0.03
HSL	183°, 83%, 84%
HSV	183°, 27%, 97%
XYZ	68.8766, 82.0272, 101.0224
YIQ	226.5050, -38.5110, -12.4230

# Conversions

## Conversions Part 2

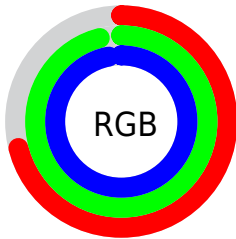
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	182, 214, 248
Decimal	11990520
CIE Lab	92.59, -18.94, -7.85
CIE LCh	93, 20.503, 202.505
Yxy	82.0272, 0.2734, 0.3256
Android (android.graphics.Color)	4290180600 (0xFFB6F5F8)
YUV	226.5050, 10.5970, -39.0309
Hunter-Lab	90.5689, -22.7482, -2.7351

# Details

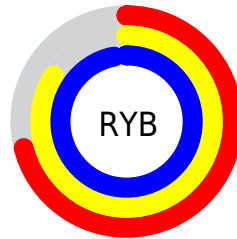
The Yxy color **82.0272, 0.2734, 0.3256** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.0040, 0.3695, 0.3324**, and the grayscale version is **76.3736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **44.7130, 0.2647, 0.3246** is the 20% darker color. If you saturate the color by 10%, you get **78.5956, 0.2606, 0.3242**, and if you desaturate by 10%, it is **86.0042, 0.2874, 0.3270**.

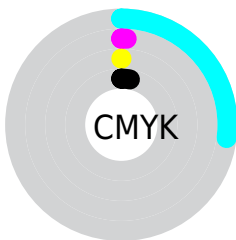
# Distribution



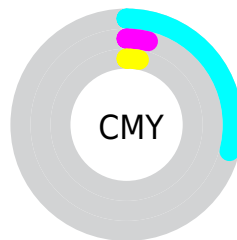
- Red (71%)
- Green (96%)
- Blue (97%)



- Red (71%)
- Yellow (84%)
- Blue (97%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)




- Cyan (29%)
- Magenta (4%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0272, 0.2734, 0.3256 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 82.0272, 0.2734, 0.3256 by changing the saturation by 10% instead.





 82.0272, 0.2734,  
0.3256

 82.0272, 0.2734,  
0.3256

501.7387, 0.2910,  
0.3274

 61.3880, 0.2695,  
0.3251


 136.2121, 0.2794,  
0.3263

 44.5383, 0.2648,  
0.3245


170.5266, 0.2818,  
0.3265

 31.0939, 0.2589,  
0.3237


210.1683, 0.2838,  
0.3267

 20.6704, 0.2514,  
0.3226

255.5216, 0.2856,  
0.3269

 12.8833, 0.2415,  
0.3210

306.9709, 0.2872,  
0.3271

 7.3482, 0.2278,  
0.3185


364.9006, 0.2886,


 3.6808, 0.2078,


0.3272


0.3142


429.6950, 0.2899,  
0.3273


 1.4967, 0.1760,  
0.3056


 0.2864, 0.0000,  
0.2497


 82.0272, 0.2734,  
0.3256


 82.0272, 0.2734,  
0.3256


 78.5956, 0.2606,  
0.3242


 86.0042, 0.2874,  
0.3270


 75.6713, 0.2494,  
0.3227


 90.5429, 0.3024,  
0.3282

 73.2267, 0.2400,  
0.3211


 95.4165, 0.3172,  
0.3294


 71.2278, 0.2324,  
0.3196


 96.1124, 0.3171,  
0.3305

 69.6357, 0.2268,  
0.3180


 96.8125, 0.3170,  
0.3315

 68.4051, 0.2232,  
0.3165

 97.5168, 0.3169,  
0.3326

 67.4789, 0.2212,  
0.3150

 98.2253, 0.3169,  
0.3337

 67.2065, 0.2207,  
0.3145

 98.9380, 0.3168,  
0.3348

 99.5584, 0.3168,  
0.3357

# Harmonies

## Analogous

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



82.0272, 0.2894, 0.3479



82.0272, 0.2734, 0.3256



82.0272, 0.2677, 0.3054

# Triad

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



82.0272, 0.2734, 0.3256



82.0272, 0.3121, 0.2963



82.0272, 0.3531, 0.3652

# Complementary

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



82.0272, 0.2734, 0.3256



58.0040, 0.3695, 0.3324

# 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.



82.0272, 0.3599, 0.3500



82.0272, 0.2734, 0.3256



82.0272, 0.3358, 0.3110

# Square

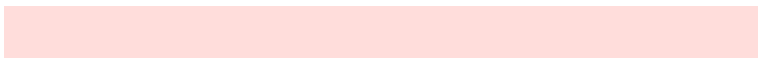
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0272, 0.2734, 0.3256



82.0272, 0.2893, 0.2896



82.0272, 0.3535, 0.3302

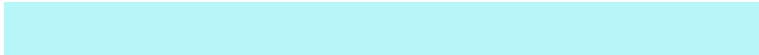


82.0272, 0.3353, 0.3712

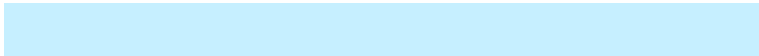


# Rectangle

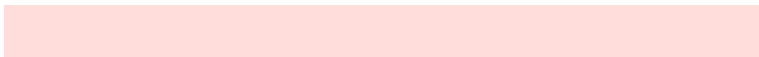
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0272, 0.2734, 0.3256



82.0272, 0.2702, 0.2958



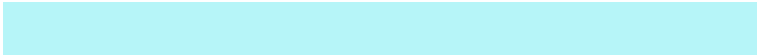
82.0272, 0.3535, 0.3302



82.0272, 0.3568, 0.3609

# Sweetspot

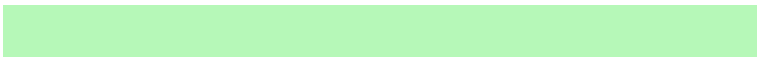
The Sweet Spot groups the original color and five complimentary colors.



82.0305, 0.2734, 0.3256



95.7447, 0.3003, 0.3281



80.5488, 0.3079, 0.4032



20.3317, 0.2980, 0.3279



0.0000, 0.0000, 0.0000

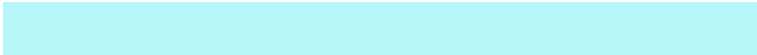


21.4041, 0.3127, 0.3290



# Same Dimension

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



82.0305, 0.2734, 0.3256



85.3290, 0.2663, 0.3248



64.1892, 0.2698, 0.2889



19.4655, 0.2980, 0.3279



36.3574, 0.2208, 0.3148



3.4079, 0.2213, 0.3166



# Inverse Universe

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



59.9815, 0.3181, 0.2653



58.2845, 0.3193, 0.2524



73.0517, 0.3608, 0.3660



17.5102, 0.3145, 0.3067



14.0812, 0.3326, 0.1606

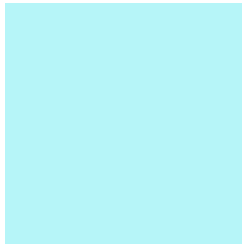


1.3083, 0.3311, 0.1598



# Previews

## White Background



This preview shows how the Yxy color 82.0272, 0.2734, 0.3256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

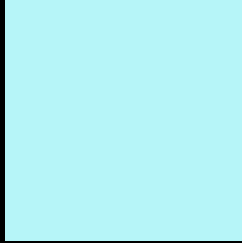
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0272, 0.2734, 0.3256 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

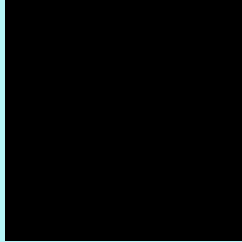
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.0272, 0.2734, 0.3256**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0272, 0.2734, 0.3256.

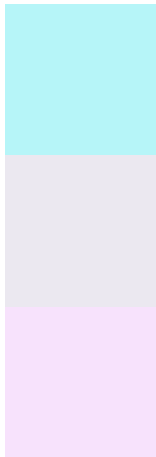


This preview shows how white text looks on a background with the Yxy color 82.0272, 0.2734, 0.3256.

# 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

82.0272, 0.2734, 0.3256

### Protanopia

81.6667, 0.3097, 0.3208

### Deuteranopia

81.1951, 0.3105, 0.3033



## Tritanopia

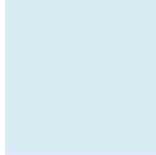
81.6823, 0.2788, 0.3130

# Trichromacy



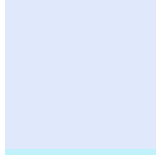
## Original Color

82.0272, 0.2734, 0.3256



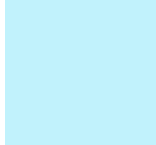
## Protanomaly

81.6384, 0.2955, 0.3226



## Deuteranomaly

80.9308, 0.2952, 0.3104



## Tritanomaly

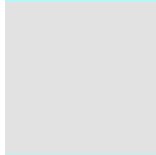
81.8700, 0.2771, 0.3182

# Monochromacy



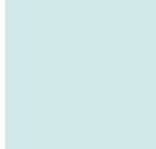
## Original Color

82.0272, 0.2734, 0.3256



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

77.9200, 0.2969, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0272, 0.2734, 0.3256 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(182, 245, 248)` looks like.

```
.text, #text, p{  
    color:rgb(182, 245, 248)  
}
```

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(182, 245, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 245, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0272, 0.2734, 0.3256 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(182, 245, 248) }
```

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

```
.border{ border-color:rgb(182, 245, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 245, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 245, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 245, 248);  
box-shadow:4px 4px 4px 4px rgb(182, 245,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0272, 0.2734, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 245, 248) }
```

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

```
.background{ background-color: rgb(182,  
245, 248) }
```

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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