

# Converting Colors

$Y_{xy}(82.0252, 0.2704, 0.3206)$

Have a look what the booklet for  
Yxy(82.0252, 0.2704, 0.3206)  
contains.

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# Color

**Yxy(82.1568, 0.2709, 0.3213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5F5FC
RGB	181, 245, 252
RGB Percent	71%, 96%, 99%
CMY	0.2903, 0.0392, 0.0119
CMYK	0.28, 0.03, 0.00, 0.01
HSL	186°, 92%, 85%
HSV	186°, 28%, 99%
XYZ	69.2695, 82.1568, 104.2750
YIQ	226.6620, -40.3910, -11.3910

# Conversions

## Conversions Part 2

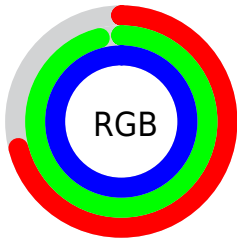
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 215, 252
Decimal	11924988
CIELab	92.64, -18.34, -9.82
CIElCh	93, 20.800, 208.173
Yxy	82.1568, 0.2709, 0.3213
Android (android.graphics.Color)	4290115068 (0xFFB5F5FC)
YUV	226.6620, 12.4916, -40.0456
Hunter-Lab	90.6404, -22.2069, -4.7604

# Details

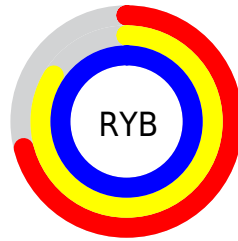
The Yxy color **82.1568, 0.2709, 0.3213** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.9595, 0.3729, 0.3365**, and the grayscale version is **76.4840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **44.7709, 0.2622, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **77.9017, 0.2579, 0.3182**, and if you desaturate by 10%, it is **86.9892, 0.2850, 0.3242**.

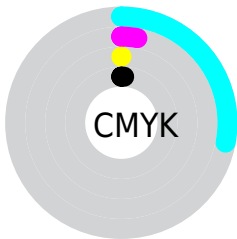
# Distribution



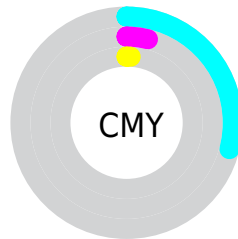
- Red (71%)
- Green (96%)
- Blue (99%)



- Red (71%)
- Yellow (84%)
- Blue (99%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (29%)
- Magenta (4%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1568, 0.2709, 0.3213 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 82.1568, 0.2709, 0.3213 by changing the saturation by 10% instead.





 82.1568, 0.2709,  
0.3213

 82.1568, 0.2709,  
0.3213


502.1720, 0.2896,  
0.3251

 61.4948, 0.2668,  
0.3204


 136.3939, 0.2773,  
0.3227

 44.6246, 0.2618,  
0.3192


170.7377, 0.2798,  
0.3232

 31.1618, 0.2556,  
0.3177


210.4110, 0.2819,  
0.3236

 20.7221, 0.2477,  
0.3157

255.7980, 0.2838,  
0.3240

 12.9210, 0.2372,  
0.3129

307.2832, 0.2855,  
0.3243

 7.3742, 0.2229,  
0.3086

365.2511, 0.2870,


 3.6972, 0.2021,


0.3246

0.3017


430.0859, 0.2884,  
0.3249


 1.5057, 0.1694,  
0.2888


 0.2927, 0.0000,  
0.2254


 82.1568, 0.2709,  
0.3213


 82.1568, 0.2709,  
0.3213


 77.9017, 0.2579,  
0.3182


 86.9892, 0.2850,  
0.3242

 74.1841, 0.2464,  
0.3149

 92.4165, 0.3000,  
0.3269

 70.9749, 0.2366,  
0.3116

 98.1703, 0.3146,  
0.3294

 68.2378, 0.2287,  
0.3081

 99.7340, 0.3145,  
0.3318

■ 65.9315, 0.2227, 99.8063, 0.3145,  
0.3047 0.3319

■ 64.0074, 0.2187,  
0.3013

■ 62.3985, 0.2163,  
0.2980

■ 62.1220, 0.2159,  
0.2974

# Harmonies

## Analogous

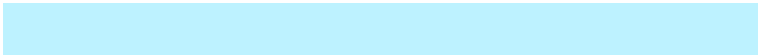
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1568, 0.2853, 0.3440



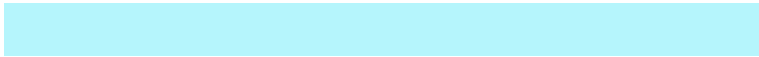
82.1568, 0.2709, 0.3213



82.1568, 0.2673, 0.3019

# Triad

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



82.1568, 0.2709, 0.3213



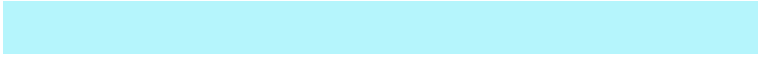
82.1568, 0.3167, 0.2982



82.1568, 0.3510, 0.3677

# Complementary

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



82.1568, 0.2709, 0.3213



59.9595, 0.3729, 0.3365

# 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.



82.1568, 0.3603, 0.3537



82.1568, 0.2709, 0.3213



82.1568, 0.3401, 0.3141

# Square

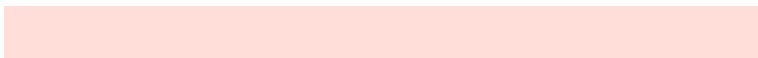
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1568, 0.2709, 0.3213



82.1568, 0.2930, 0.2897



82.1568, 0.3564, 0.3341



82.1568, 0.3314, 0.3716

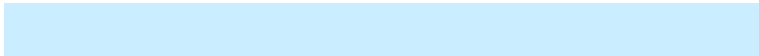


# Rectangle

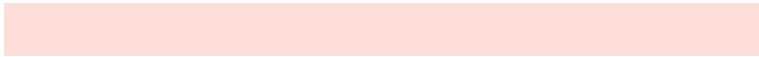
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1568, 0.2709, 0.3213



82.1568, 0.2713, 0.2934



82.1568, 0.3564, 0.3341



82.1568, 0.3555, 0.3639

# Sweetspot

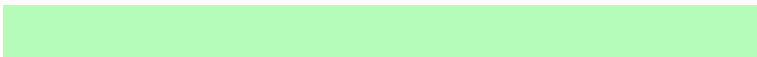
The Sweet Spot groups the original color and five complimentary colors.



82.1601, 0.2709, 0.3213



95.0658, 0.3003, 0.3270



83.0045, 0.3057, 0.4040



20.1593, 0.2980, 0.3266



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.



82.1601, 0.2709, 0.3213



81.7985, 0.2632, 0.3195



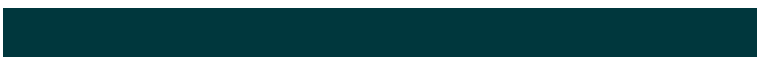
63.2138, 0.2668, 0.2820



19.3008, 0.2980, 0.3266



32.4918, 0.2161, 0.2979



3.0910, 0.2172, 0.3019



# Inverse Universe

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



60.3193, 0.3213, 0.2650



56.0612, 0.3234, 0.2517



76.4728, 0.3631, 0.3718



17.4935, 0.3153, 0.3079



13.6910, 0.3473, 0.1687

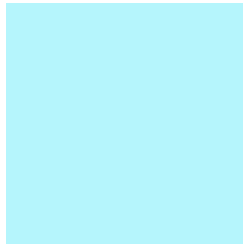


1.2763, 0.3437, 0.1667



# Previews

## White Background



This preview shows how the Yxy color 82.1568, 0.2709, 0.3213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

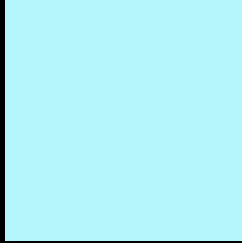
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1568, 0.2709, 0.3213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

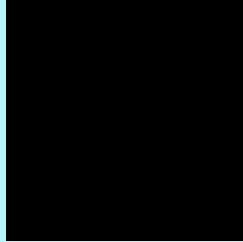
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.1568, 0.2709, 0.3213**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1568, 0.2709, 0.3213.

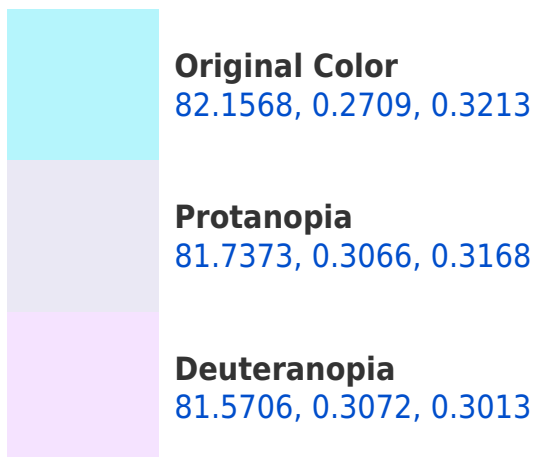


This preview shows how white text looks on a background with the Yxy color 82.1568, 0.2709, 0.3213.

# 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

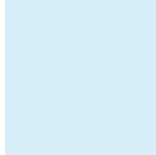
82.2727, 0.2789, 0.3141

# Trichromacy



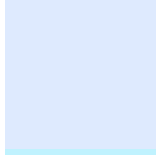
## Original Color

82.1568, 0.2709, 0.3213



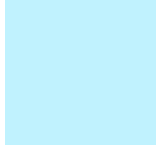
## Protanomaly

81.7308, 0.2926, 0.3185



## Deuteranomaly

81.5310, 0.2929, 0.3084



## Tritanomaly

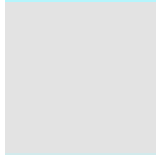
81.8665, 0.2755, 0.3160

# Monochromacy



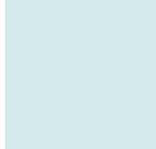
## Original Color

82.1568, 0.2709, 0.3213



## Achromatopsia

76.8151, 0.3127, 0.3290



## Achromatomaly

78.6034, 0.2958, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1568, 0.2709, 0.3213 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(181, 245, 252)` looks like.

```
.text, #text, p{  
    color:rgb(181, 245, 252)  
}
```

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(181, 245, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 245, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1568, 0.2709, 0.3213 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(181, 245, 252) }
```

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

```
.border{ border-color:rgb(181, 245, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 245, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 245, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 245, 252);  
box-shadow:4px 4px 4px 4px rgb(181, 245,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1568, 0.2709, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 245, 252) }
```

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

```
.background{ background-color: rgb(181,  
245, 252) }
```

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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