

# Converting Colors

$Yxy(81.2461, 0.2615, 0.3191)$

Have a look what the booklet for  
Yxy(81.2461, 0.2615, 0.3191)  
contains.

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# Color

**Yxy(81.1309, 0.2615, 0.3189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F6FF
RGB	165, 246, 255
RGB Percent	65%, 96%, 100%
CMY	0.3528, 0.0353, 0.0000
CMYK	0.35, 0.04, 0.00, 0.00
HSL	186°, 100%, 82%
HSV	186°, 35%, 100%
XYZ	66.5278, 81.1309, 106.7498
YIQ	222.8070, -51.1650, -14.3730

# Conversions

## Conversions Part 2

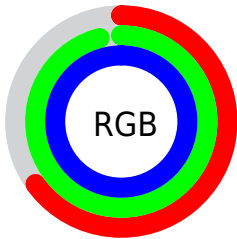
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 208, 255
Decimal	10876671
CIELab	92.19, -22.40, -12.15
CIElCh	92, 25.479, 208.483
Yxy	81.1309, 0.2615, 0.3189
Android (android.graphics.Color)	4289066751 (0xFFA5F6FF)
YUV	222.8070, 15.8711, -50.6967
Hunter-Lab	90.0727, -25.7868, -7.2168

# Details

The Yxy color **81.1309, 0.2615, 0.3189** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.2628, 0.3943, 0.3387**, and the grayscale version is **73.5685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **44.1553, 0.2509, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **77.1261, 0.2495, 0.3156**, and if you desaturate by 10%, it is **85.7085, 0.2749, 0.3220**.

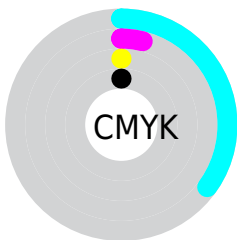
# Distribution



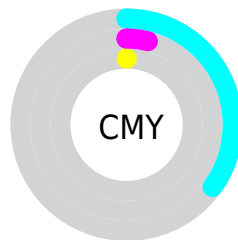
- Red (65%)
- Green (96%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1309, 0.2615, 0.3189 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 81.1309, 0.2615, 0.3189 by changing the saturation by 10% instead.





 81.1309, 0.2615,  
0.3189


 81.1309, 0.2615,  
0.3189


498.7359, 0.2843,  
0.3240

 60.6494, 0.2565,  
0.3177


 134.9546, 0.2693,  
0.3207

 43.9423, 0.2504,  
0.3161


 169.0655, 0.2723,  
0.3214

 30.6251, 0.2429,  
0.3141


208.4884, 0.2750,  
0.3220

 20.3136, 0.2333,  
0.3113

253.6077, 0.2773,  
0.3225

 12.6232, 0.2208,  
0.3075

304.8076, 0.2794,  
0.3229

 7.1696, 0.2036,  
0.3017

362.4727, 0.2812,

 3.5684, 0.1791,

0.3233

0.2922

426.9874, 0.2828,  
0.3237

■ 1.4352, 0.1409,  
0.2748

■ 0.2424, 0.0000,  
0.1778

■ 81.1309, 0.2615,  
0.3189

■ 81.1309, 0.2615,  
0.3189

■ 77.1261, 0.2495,  
0.3156

■ 85.7085, 0.2749,  
0.3220

■ 73.6518, 0.2392,  
0.3122

■ 90.8792, 0.2893,  
0.3250

■ 70.6752, 0.2306,  
0.3087

■ 96.6740, 0.3045,  
0.3277

■ 68.1554, 0.2241,  
0.3052

99.9992, 0.3127,  
0.3290

■ 66.0449, 0.2195,  
0.3017

■ 64.2850, 0.2167,  
0.2983

■ 63.5354, 0.2157,  
0.2967

# Harmonies

## Analogous

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



81.1309, 0.2788, 0.3472



81.1309, 0.2615, 0.3189



81.1309, 0.2573, 0.2953

# Triad

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



81.1309, 0.2615, 0.3189



81.1309, 0.3178, 0.2917



81.1309, 0.3595, 0.3766

# Complementary

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



81.1309, 0.2615, 0.3189



54.2628, 0.3943, 0.3387

# 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.



81.1309, 0.3713, 0.3590



81.1309, 0.2615, 0.3189



81.1309, 0.3467, 0.3110

# Square

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



81.1309, 0.2615, 0.3189



81.1309, 0.2887, 0.2812



81.1309, 0.3667, 0.3352



81.1309, 0.3352, 0.3817

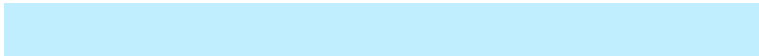


# Rectangle

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



81.1309, 0.2615, 0.3189



81.1309, 0.2623, 0.2852



81.1309, 0.3667, 0.3352



81.1309, 0.3651, 0.3718

# Sweetspot

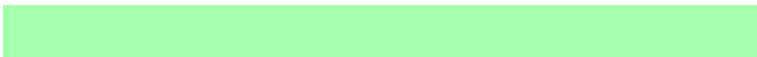
The Sweet Spot groups the original color and five complimentary colors.



81.1341, 0.2615, 0.3189



93.2869, 0.2957, 0.3261



82.5164, 0.3039, 0.4266



19.8017, 0.2937, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

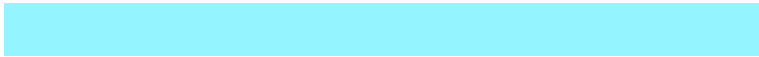


# Same Dimension

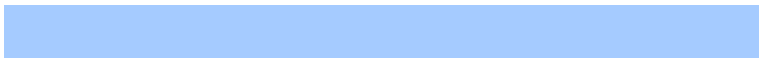
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1341, 0.2615, 0.3189



78.3855, 0.2533, 0.3167



57.7105, 0.2545, 0.2680



20.1528, 0.2980, 0.3266



33.3285, 0.2159, 0.2972



3.3311, 0.2170, 0.3012



# Inverse Universe

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



54.8389, 0.3240, 0.2491



48.9580, 0.3265, 0.2344



73.8667, 0.3784, 0.3830



18.2672, 0.3153, 0.3079



14.0925, 0.3479, 0.1690

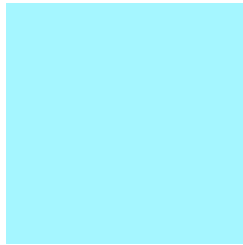


1.3808, 0.3444, 0.1671



# Previews

## White Background



This preview shows how the Yxy color 81.1309, 0.2615, 0.3189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

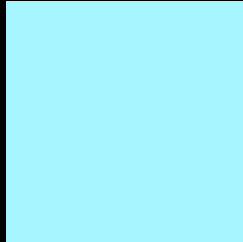
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1309, 0.2615, 0.3189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

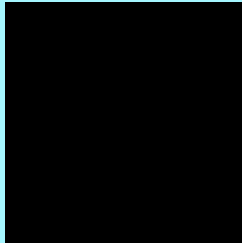
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.1309, 0.2615, 0.3189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1309, 0.2615, 0.3189.

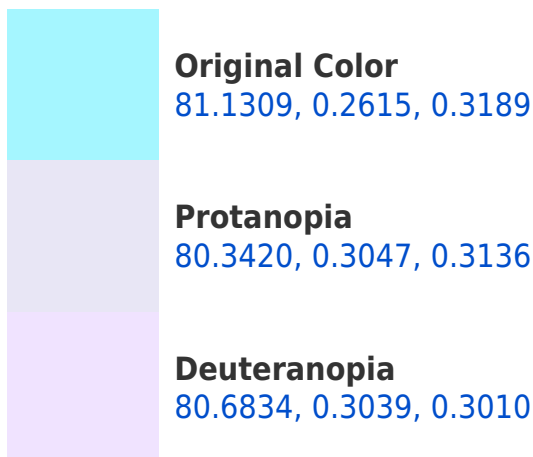


This preview shows how white text looks on a background with the Yxy color 81.1309, 0.2615, 0.3189.

# 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

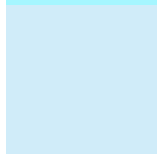
80.9494, 0.2733, 0.3138

# Trichromacy



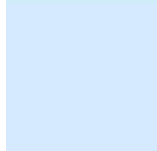
## Original Color

81.1309, 0.2615, 0.3189



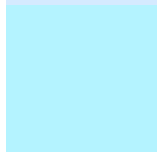
## Protanomaly

80.2404, 0.2871, 0.3152



## Deuteranomaly

80.2118, 0.2867, 0.3070



## Tritanomaly

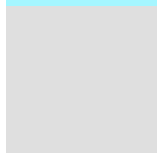
81.0245, 0.2686, 0.3158

# Monochromacy



## Original Color

81.1309, 0.2615, 0.3189



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.7065, 0.2912, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1309, 0.2615, 0.3189 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(165, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 246, 255)  
}
```

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(165, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 246, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1309, 0.2615, 0.3189 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(165, 246, 255) }
```

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

```
.border{ border-color:rgb(165, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 246,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1309, 0.2615, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 246, 255) }
```

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

```
.background{ background-color: rgb(165,  
246, 255) }
```

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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