

# Converting Colors

$Yxy(81.1311, 0.2562, 0.3210)$

Have a look what the booklet for  
Yxy(81.1311, 0.2562, 0.3210)  
contains.

<b>Yxy(81.1271, 0.2562, 0.3210)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(81.1271, 0.2562, 0.3210)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99F8FF
RGB	153, 248, 255
RGB Percent	60%, 97%, 100%
CMY	0.4001, 0.0274, 0.0000
CMYK	0.40, 0.03, 0.00, 0.00
HSL	184°, 100%, 80%
HSV	184°, 40%, 100%
XYZ	64.7500, 81.1271, 106.8553
YIQ	220.3930, -58.8670, -17.9630

# Conversions

## Conversions Part 2

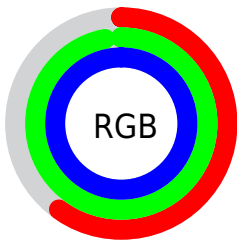
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 202, 255
Decimal	10090751
CIE <sub>Lab</sub>	92.19, -26.38, -12.22
CIE <sub>LCh</sub>	92, 29.071, 204.855
Yxy	81.1271, 0.2562, 0.3210
Android (android.graphics.Color)	4288280831 (0xFF99F8FF)
YUV	220.3930, 17.0613, -59.1037
Hunter-Lab	90.0706, -29.3032, -7.2893

# Details

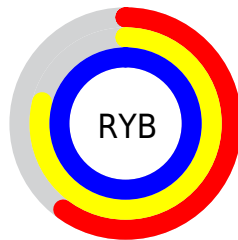
The Yxy color **81.1271, 0.2562, 0.3210** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.6882, 0.4118, 0.3367**, and the grayscale version is **71.7657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **43.7717, 0.2441, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **77.8394, 0.2453, 0.3187**, and if you desaturate by 10%, it is **84.9609, 0.2687, 0.3232**.

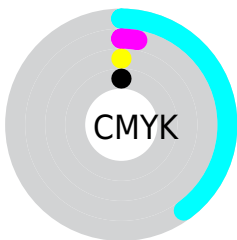
# Distribution



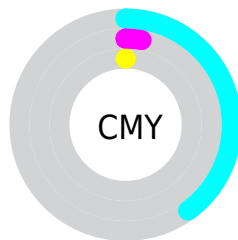
- Red (60%)
- Green (97%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1271, 0.2562, 0.3210 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 81.1271, 0.2562, 0.3210 by changing the saturation by 10% instead.





 81.1271, 0.2562,  
0.3210


 81.1271, 0.2562,  
0.3210


498.7232, 0.2813,  
0.3252

 60.6463, 0.2507,  
0.3199


 134.9492, 0.2647,  
0.3225

 43.9398, 0.2440,  
0.3186


 169.0593, 0.2681,  
0.3231

 30.6232, 0.2358,  
0.3168


208.4813, 0.2710,  
0.3236

 20.3121, 0.2253,  
0.3143

253.5995, 0.2736,  
0.3240

 12.6221, 0.2116,  
0.3107

304.7984, 0.2759,  
0.3244

 7.1688, 0.1931,  
0.3053


362.4624, 0.2779,


 3.5679, 0.1667,


0.3247


0.2961


426.9759, 0.2797,  
0.3250


 1.4349, 0.1243,  
0.2794

 0.2422, 0.0000,  
0.1770


 81.1271, 0.2562,  
0.3210

 81.1271, 0.2562,  
0.3210


 77.8394, 0.2453,  
0.3187


 84.9609, 0.2687,  
0.3232

 75.0547, 0.2362,  
0.3164

 89.3630, 0.2825,  
0.3253

 72.7379, 0.2290,  
0.3140

 94.3650, 0.2972,  
0.3272

 70.8456, 0.2238,  
0.3117

99.9937, 0.3127,  
0.3290

■ 69.3256, 0.2205,  
0.3093

100.0000, 0.3127,  
0.3290

■ 68.0942, 0.2186,  
0.3070

# Harmonies

## Analogous

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



81.1271, 0.2773, 0.3536



81.1271, 0.2562, 0.3210



81.1271, 0.2496, 0.2931

# Triad

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



81.1271, 0.2562, 0.3210



81.1271, 0.3141, 0.2847



81.1271, 0.3685, 0.3813

# Complementary

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



81.1271, 0.2562, 0.3210



48.6882, 0.4118, 0.3367

# 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.



81.1271, 0.3801, 0.3597



81.1271, 0.2562, 0.3210



81.1271, 0.3478, 0.3055

# Square

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



81.1271, 0.2562, 0.3210



81.1271, 0.2817, 0.2742



81.1271, 0.3725, 0.3323



81.1271, 0.3419, 0.3896

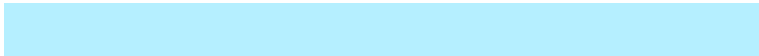


# Rectangle

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



81.1271, 0.2562, 0.3210



81.1271, 0.2540, 0.2807



81.1271, 0.3725, 0.3323



81.1271, 0.3743, 0.3752

# Sweetspot

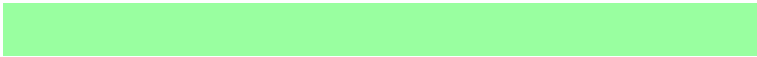
The Sweet Spot groups the original color and five complimentary colors.



81.1301, 0.2562, 0.3210



93.3208, 0.2942, 0.3268



80.8199, 0.3036, 0.4444



19.8306, 0.2923, 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.



81.1301, 0.2562, 0.3210



78.4592, 0.2474, 0.3192



54.0062, 0.2467, 0.2602



20.2557, 0.2980, 0.3273



35.6713, 0.2187, 0.3074



3.5347, 0.2195, 0.3100



# Inverse Universe

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



50.8115, 0.3231, 0.2360



44.6173, 0.3255, 0.2190



70.0425, 0.3897, 0.3887



18.2776, 0.3149, 0.3072



14.3290, 0.3389, 0.1641

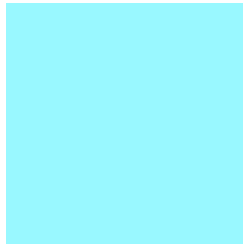


1.4014, 0.3367, 0.1628



# Previews

## White Background



This preview shows how the Yxy color 81.1271, 0.2562, 0.3210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

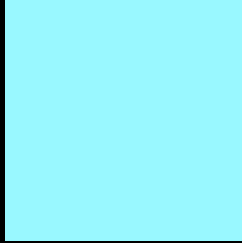
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1271, 0.2562, 0.3210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

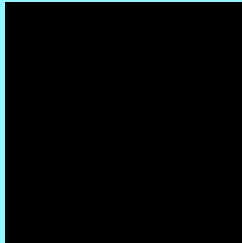
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.1271, 0.2562, 0.3210**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1271, 0.2562, 0.3210.

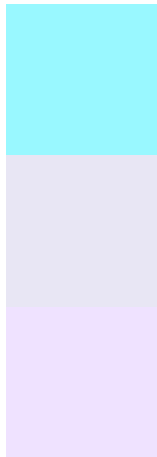


This preview shows how white text looks on a background with the Yxy color 81.1271, 0.2562, 0.3210.

# 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

81.1271, 0.2562, 0.3210

### Protanopia

80.2811, 0.3053, 0.3146

### Deuteranopia

79.9634, 0.3033, 0.3000



## Tritanopia

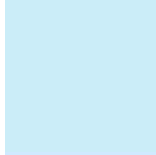
80.5697, 0.2716, 0.3137

# Trichromacy



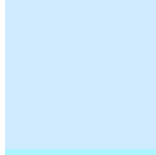
## Original Color

81.1271, 0.2562, 0.3210



## Protanomaly

80.0422, 0.2847, 0.3172



## Deuteranomaly

79.4755, 0.2837, 0.3068



## Tritanomaly

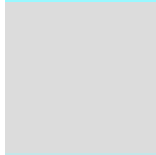
80.9200, 0.2657, 0.3168

# Monochromacy



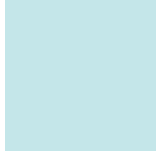
## Original Color

81.1271, 0.2562, 0.3210



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

74.2126, 0.2886, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1271, 0.2562, 0.3210 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(153, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 248, 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(153, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1271, 0.2562, 0.3210 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(153, 248, 255) }
```

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

```
.border{ border-color:rgb(153, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1271, 0.2562, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 248, 255) }
```

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

```
.background{ background-color: rgb(153,  
248, 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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