

# Converting Colors

$Y_{xy}(79.2545, 0.2575, 0.3094)$

Have a look what the booklet for  
Yxy(79.2545, 0.2575, 0.3094)  
contains.

<b>Yxy(79.1077, 0.2600, 0.3155)</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(79.1077, 0.2600, 0.3155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3F3FF
RGB	163, 243, 255
RGB Percent	64%, 95%, 100%
CMY	0.3611, 0.0470, 0.0000
CMYK	0.36, 0.05, 0.00, 0.00
HSL	188°, 100%, 82%
HSV	188°, 36%, 100%
XYZ	65.1918, 79.1077, 106.4381
YIQ	220.4480, -51.5320, -13.2280

# Conversions

## Conversions Part 2

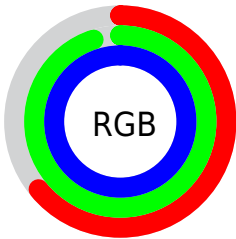
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 206, 255
Decimal	10744831
CIE <sub>Lab</sub>	91.28, -21.48, -13.52
CIE <sub>LCh</sub>	91, 25.380, 212.192
Yxy	79.1077, 0.2600, 0.3155
Android (android.graphics.Color)	4288934911 (0xFFA3F3FF)
YUV	220.4480, 17.0341, -50.3819
Hunter-Lab	88.9425, -24.8151, -8.6930

# Details

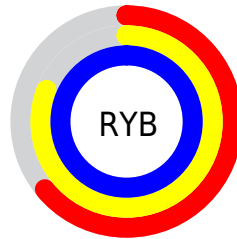
The Yxy color **79.1077, 0.2600, 0.3155** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.5221, 0.3960, 0.3419**, and the grayscale version is **71.7952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **42.7437, 0.2490, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **74.7187, 0.2478, 0.3112**, and if you desaturate by 10%, it is **84.0813, 0.2735, 0.3196**.

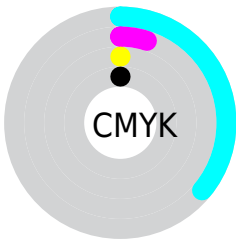
# Distribution



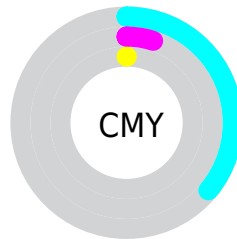
- Red (64%)
- Green (95%)
- Blue (100%)



- Red (64%)
- Yellow (81%)
- Blue (100%)



- Cyan (36%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1077, 0.2600, 0.3155 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 79.1077, 0.2600, 0.3155 by changing the saturation by 10% instead.





 79.1077, 0.2600,  
0.3155

 79.1077, 0.2600,  
0.3155


491.9206, 0.2836,  
0.3221

 58.9844, 0.2548,  
0.3139


 132.1105, 0.2680,  
0.3179

 42.6005, 0.2485,  
0.3119


 165.7587, 0.2712,  
0.3188

 29.5718, 0.2407,  
0.3093


204.6840, 0.2739,  
0.3195

 19.5138, 0.2307,  
0.3058

249.2708, 0.2763,  
0.3202

 12.0421, 0.2177,  
0.3009

299.9034, 0.2785,  
0.3208

 6.7724, 0.1998,  
0.2936

356.9664, 0.2804,

 3.3202, 0.1742,

0.3213

0.2818

420.8440, 0.2820,  
0.3217

■ 1.3011, 0.1329,  
0.2609

■ 0.1420, 0.0000,  
0.1138

■ 79.1077, 0.2600,  
0.3155

■ 79.1077, 0.2600,  
0.3155

■ 74.7187, 0.2478,  
0.3112

■ 84.0813, 0.2735,  
0.3196

■ 70.8720, 0.2373,  
0.3067

■ 89.6605, 0.2880,  
0.3234

■ 67.5342, 0.2285,  
0.3021

■ 95.8764, 0.3032,  
0.3270

■ 64.6639, 0.2217,  
0.2974

■ 99.9999, 0.3127,  
0.3290

■ 62.2128, 0.2168,  
0.2928

■ 60.1207, 0.2138,  
0.2882

■ 59.3691, 0.2129,  
0.2865

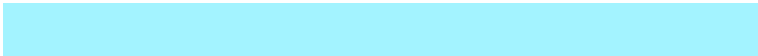
# Harmonies

## Analogous

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



79.1077, 0.2759, 0.3438



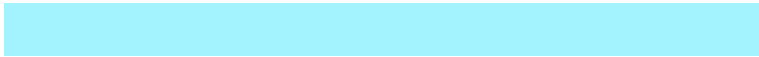
79.1077, 0.2600, 0.3155



79.1077, 0.2575, 0.2929

# Triad

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



79.1077, 0.2600, 0.3155



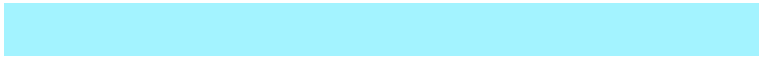
79.1077, 0.3216, 0.2935



79.1077, 0.3572, 0.3782

# Complementary

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



79.1077, 0.2600, 0.3155



54.5221, 0.3960, 0.3419

# 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.



79.1077, 0.3710, 0.3618



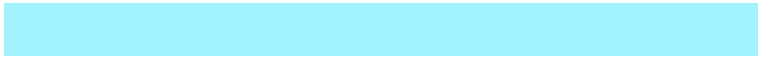
79.1077, 0.2600, 0.3155



79.1077, 0.3500, 0.3137

# Square

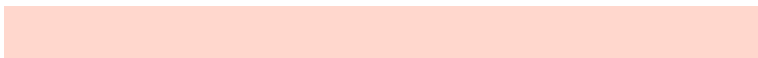
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1077, 0.2600, 0.3155



79.1077, 0.2919, 0.2817



79.1077, 0.3684, 0.3383



79.1077, 0.3317, 0.3815

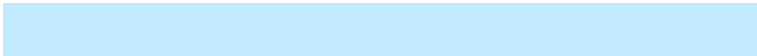


# Rectangle

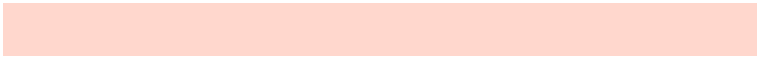
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1077, 0.2600, 0.3155



79.1077, 0.2636, 0.2837



79.1077, 0.3684, 0.3383



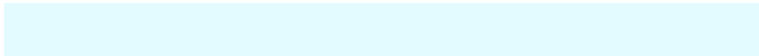
79.1077, 0.3634, 0.3739

# Sweetspot

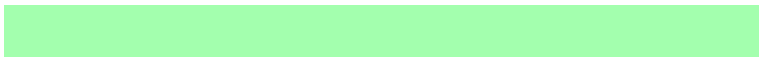
The Sweet Spot groups the original color and five complimentary colors.



79.1108, 0.2600, 0.3155



92.7565, 0.2957, 0.3253



82.3398, 0.3021, 0.4256



19.6744, 0.2937, 0.3248



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

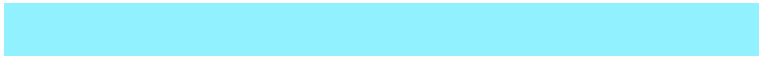


# Same Dimension

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



79.1108, 0.2600, 0.3155



76.0255, 0.2515, 0.3125



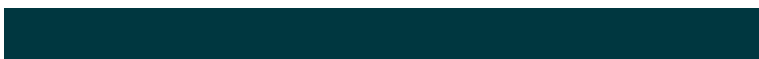
55.4856, 0.2526, 0.2625



20.0544, 0.2980, 0.3258



31.1795, 0.2131, 0.2872



3.1433, 0.2146, 0.2925



# Inverse Universe

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



53.8982, 0.3266, 0.2496



47.9530, 0.3298, 0.2351



74.9312, 0.3791, 0.3872



18.2573, 0.3158, 0.3086



13.8756, 0.3568, 0.1739

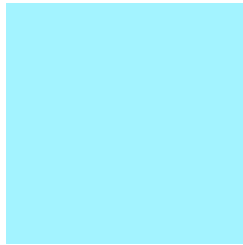


1.3619, 0.3521, 0.1713



# Previews

## White Background



This preview shows how the Yxy color 79.1077, 0.2600, 0.3155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

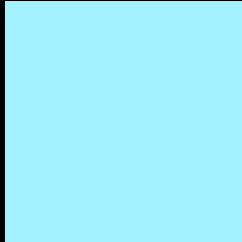
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1077, 0.2600, 0.3155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

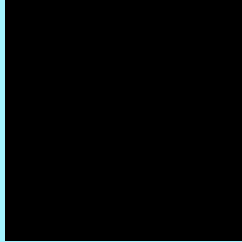
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.1077, 0.2600, 0.3155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1077, 0.2600, 0.3155.

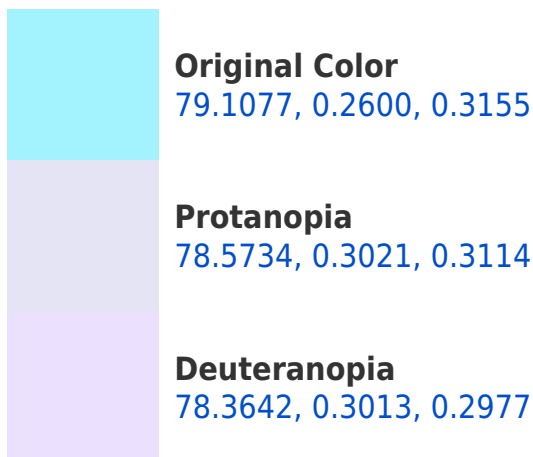


This preview shows how white text looks on a background with the Yxy color 79.1077, 0.2600, 0.3155.

# 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

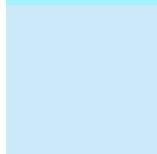
78.7768, 0.2687, 0.3114

# Trichromacy



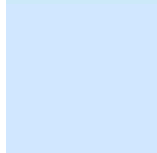
## Original Color

79.1077, 0.2600, 0.3155



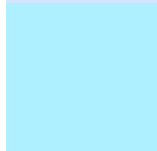
## Protanomaly

77.9547, 0.2845, 0.3118



## Deuteranomaly

77.9271, 0.2841, 0.3036



## Tritanomaly

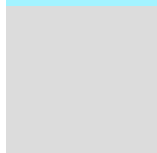
78.5388, 0.2651, 0.3123

# Monochromacy



## Original Color

79.1077, 0.2600, 0.3155



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.5121, 0.2904, 0.3234

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1077, 0.2600, 0.3155 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(163, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 243, 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(163, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 243, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1077, 0.2600, 0.3155 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(163, 243, 255) }
```

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

```
.border{ border-color:rgb(163, 243, 255) }
```

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

Here you see how a box with a 4 pixel rgb(163, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 243,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1077, 0.2600, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 243, 255) }
```

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

```
.background{ background-color: rgb(163,  
243, 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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