

Converting Colors

$Yxy(78.4833, 0.2588, 0.3131)$

Have a look what the booklet for
Yxy(78.4833, 0.2588, 0.3131)
contains.

Yxy(78.4056, 0.2594, 0.3143)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.4056, 0.2594, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	A2F2FF
RGB	162, 242, 255
RGB Percent	64%, 95%, 100%
CMY	0.3645, 0.0510, 0.0000
CMYK	0.36, 0.05, 0.00, 0.00
HSL	188°, 100%, 82%
HSV	188°, 36%, 100%
XYZ	64.7102, 78.4056, 106.3452
YIQ	219.5620, -51.8530, -12.9170

Conversions

Conversions Part 2

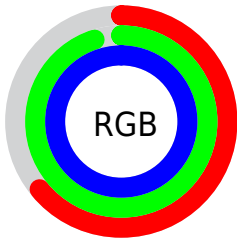
Format	Color
R_{YB}	162, 205, 255
Decimal	10679039
CIE _{Lab}	90.96, -21.19, -14.01
CIE _{LCh}	91, 25.407, 213.470
Yxy	78.4056, 0.2594, 0.3143
Android (android.graphics.Color)	4288869119 (0xFFA2F2FF)
YUV	219.5620, 17.4709, -50.4819
Hunter-Lab	88.5469, -24.5092, -9.2247

Details

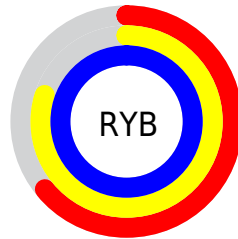
The Yxy color **78.4056, 0.2594, 0.3143** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.5477, 0.3967, 0.3429**, and the grayscale version is **71.1590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **42.2592, 0.2482, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **73.8986, 0.2472, 0.3097**, and if you desaturate by 10%, it is **83.4992, 0.2729, 0.3188**.

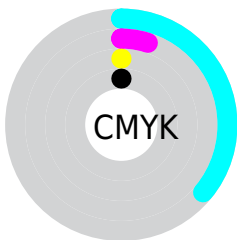
Distribution



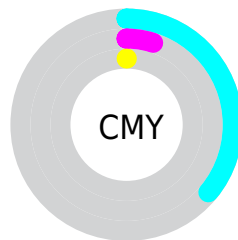
- Red (64%)
- Green (95%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- 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 78.4056, 0.2594, 0.3143 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 78.4056, 0.2594, 0.3143 by changing the saturation by 10% instead.


 78.4056, 0.2594,
0.3143


 78.4056, 0.2594,
0.3143


489.5432, 0.2833,
0.3215

 58.4072, 0.2541,
0.3126


 131.1217, 0.2675,
0.3169

 42.1361, 0.2478,
0.3104


 164.6083, 0.2707,
0.3179

 29.2079, 0.2398,
0.3076


203.3597, 0.2735,
0.3187

 19.2381, 0.2297,
0.3038

247.7603, 0.2759,
0.3194

 11.8425, 0.2164,
0.2986

298.1946, 0.2781,
0.3200

 6.6365, 0.1983,
0.2907

355.0469, 0.2800,

 3.2358, 0.1723,

0.3206

0.2781

418.7016, 0.2817,
0.3211

■ 1.2561, 0.1297,
0.2560

■ 0.1068, 0.0000,
0.0883

■ 78.4056, 0.2594,
0.3143

■ 78.4056, 0.2594,
0.3143

■ 73.8986, 0.2472,
0.3097

■ 83.4992, 0.2729,
0.3188

■ 69.9395, 0.2365,
0.3048

■ 89.2043, 0.2875,
0.3229

■ 66.4933, 0.2277,
0.2998

■ 95.5507, 0.3027,
0.3267

■ 63.5186, 0.2208,
0.2948

100.0000, 0.3127,
0.3290

■ 60.9665, 0.2159,
0.2898

■ 58.7763, 0.2128,
0.2849

■ 58.0541, 0.2120,
0.2831

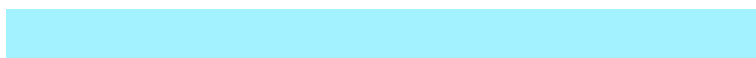
Harmonies

Analogous

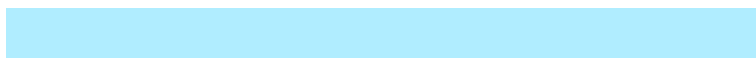
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4056, 0.2748, 0.3427



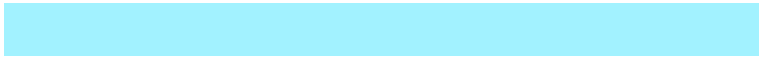
78.4056, 0.2594, 0.3143



78.4056, 0.2575, 0.2920

Triad

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



78.4056, 0.2594, 0.3143



78.4056, 0.3229, 0.2941



78.4056, 0.3565, 0.3788

Complementary

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



78.4056, 0.2594, 0.3143



54.5477, 0.3967, 0.3429

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.



78.4056, 0.3709, 0.3628



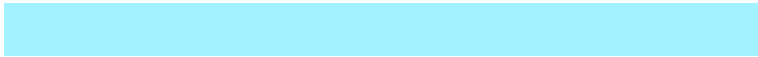
78.4056, 0.2594, 0.3143



78.4056, 0.3512, 0.3147

Square

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



78.4056, 0.2594, 0.3143



78.4056, 0.2930, 0.2818



78.4056, 0.3691, 0.3394



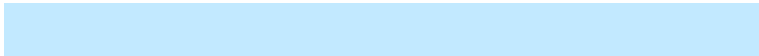
78.4056, 0.3305, 0.3815

Rectangle

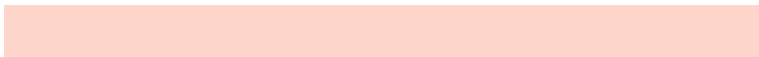
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4056, 0.2594, 0.3143



78.4056, 0.2640, 0.2831



78.4056, 0.3691, 0.3394



78.4056, 0.3629, 0.3747

Sweetspot

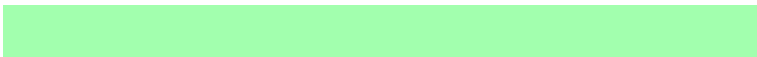
The Sweet Spot groups the original color and five complimentary colors.



78.4075, 0.2594, 0.3143



92.5846, 0.2957, 0.3250



82.2787, 0.3012, 0.4248



19.6332, 0.2936, 0.3245



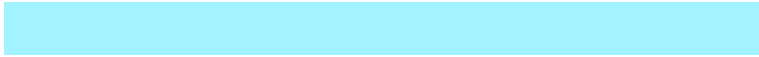
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.4075, 0.2594, 0.3143



74.9530, 0.2500, 0.3108



54.4425, 0.2517, 0.2599



20.0226, 0.2980, 0.3256



30.5013, 0.2122, 0.2840



3.0838, 0.2138, 0.2896

Inverse Universe

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



53.5258, 0.3275, 0.2497



47.0949, 0.3313, 0.2340



75.5382, 0.3793, 0.3893



18.2541, 0.3160, 0.3088



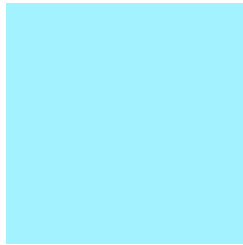
13.8071, 0.3598, 0.1756



1.3559, 0.3547, 0.1728

Previews

White Background



This preview shows how the Yxy color 78.4056, 0.2594, 0.3143 looks on a white background.

Color Contrast Check

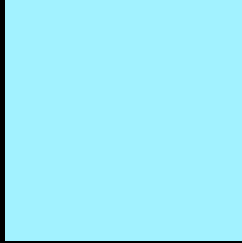
Large Text (above 18pt) WCAG AA × Fail

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 78.4056, 0.2594, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

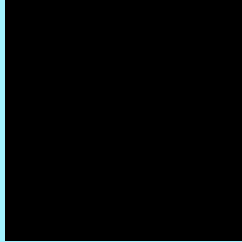
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.4056, 0.2594, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 78.4056, 0.2594, 0.3143.

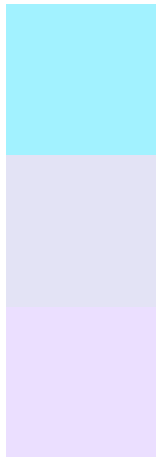


This preview shows how white text looks on a background with the Yxy color 78.4056, 0.2594, 0.3143.

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

78.4056, 0.2594, 0.3143

Protanopia

77.8616, 0.3014, 0.3103

Deuteranopia

77.6575, 0.3006, 0.2966



Tritanopia

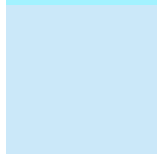
78.3001, 0.2666, 0.3113

Trichromacy



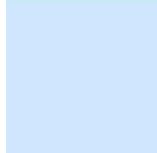
Original Color

78.4056, 0.2594, 0.3143



Protanomaly

77.2493, 0.2839, 0.3107



Deuteranomaly

77.2235, 0.2834, 0.3025



Tritanomaly

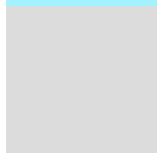
78.3108, 0.2641, 0.3123

Monochromacy



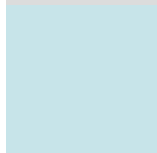
Original Color

78.4056, 0.2594, 0.3143



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 78.4056, 0.2594, 0.3143 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(162, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 242, 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(162, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.4056, 0.2594, 0.3143 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(162, 242, 255) }
```

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

```
.border{ border-color:rgb(162, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4056, 0.2594, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 242, 255) }
```

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

```
.background{ background-color: rgb(162,  
242, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor