

Converting Colors

$Yxy(85.7175, 0.2394, 0.2580)$

Have a look what the booklet for
Yxy(85.7175, 0.2394, 0.2580)
contains.

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Color

Yxy(81.0353, 0.2662, 0.3168)

Conversions

Conversions Part 1

Format	Color
Hex	AFF4FF
RGB	175, 244, 255
RGB Percent	69%, 96%, 100%
CMY	0.3134, 0.0432, 0.0000
CMYK	0.31, 0.04, 0.00, 0.00
HSL	188°, 100%, 84%
HSV	188°, 31%, 100%
XYZ	68.0922, 81.0353, 106.6658
YIQ	224.6230, -44.6550, -11.2070

Conversions

Conversions Part 2

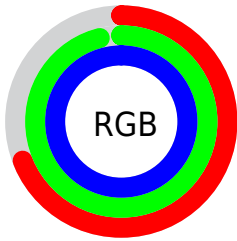
Format	Color
R_{YB}	175, 212, 255
Decimal	11531519
CIE _{Lab}	92.15, -18.76, -12.17
CIE _{LCh}	92, 22.362, 212.978
Yxy	81.0353, 0.2662, 0.3168
Android (android.graphics.Color)	4289721599 (0xFFAFF4FF)
YUV	224.6230, 14.9759, -43.5194
Hunter-Lab	90.0196, -22.5143, -7.2400

Details

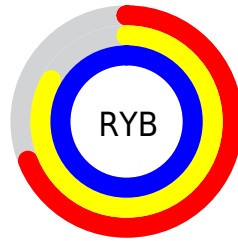
The Yxy color **81.0353, 0.2662, 0.3168** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.5103, 0.3811, 0.3408**, and the grayscale version is **74.9365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **43.9656, 0.2560, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **76.2656, 0.2533, 0.3123**, and if you desaturate by 10%, it is **86.4079, 0.2803, 0.3210**.

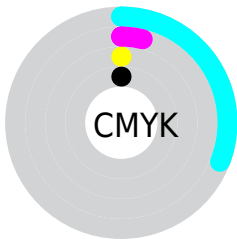
Distribution



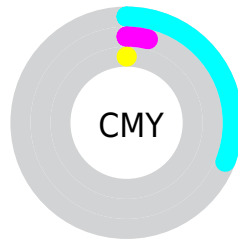
- Red (69%)
- Green (96%)
- Blue (100%)



- Red (69%)
- Yellow (83%)
- Blue (100%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0353, 0.2662, 0.3168 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 81.0353, 0.2662, 0.3168 by changing the saturation by 10% instead.


 81.0353, 0.2662,
0.3168

 81.0353, 0.2662,
0.3168


498.4150, 0.2870,
0.3227

 60.5707, 0.2616,
0.3154

 134.8203, 0.2733,
0.3189

 43.8788, 0.2561,
0.3136


168.9095, 0.2760,
0.3197

 30.5752, 0.2492,
0.3114


208.3090, 0.2785,
0.3204

 20.2756, 0.2404,
0.3083

253.4032, 0.2806,
0.3210

 12.5955, 0.2289,
0.3041

304.5766, 0.2825,
0.3215

 7.1506, 0.2131,
0.2979

362.2134, 0.2841,

 3.5565, 0.1903,

0.3220

0.2879

426.6981, 0.2856,
0.3224

■ 1.4287, 0.1550,
0.2699

■ 0.2377, 0.0000,
0.1754

■ 81.0353, 0.2662,
0.3168

■ 81.0353, 0.2662,
0.3168

■ 76.2656, 0.2533,
0.3123

■ 86.4079, 0.2803,
0.3210

■ 72.0590, 0.2418,
0.3076

■ 92.4044, 0.2952,
0.3250

■ 68.3834, 0.2321,
0.3028

■ 99.0548, 0.3106,
0.3285

■ 65.2000, 0.2242,
0.2979

100.0000, 0.3127,
0.3290

■ 62.4640, 0.2184,
0.2929

■ 60.1218, 0.2144,
0.2880

■ 58.3411, 0.2122,
0.2839

Harmonies

Analogous

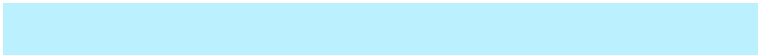
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0353, 0.2800, 0.3413



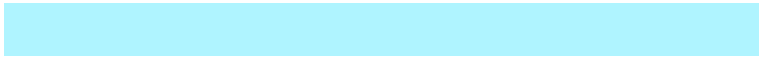
81.0353, 0.2662, 0.3168



81.0353, 0.2643, 0.2971

Triad

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



81.0353, 0.2662, 0.3168



81.0353, 0.3213, 0.2981



81.0353, 0.3512, 0.3723

Complementary

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



81.0353, 0.2662, 0.3168



59.5103, 0.3811, 0.3408

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.



81.0353, 0.3635, 0.3585



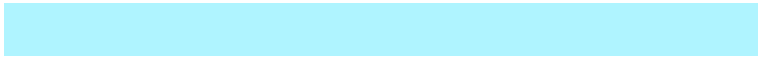
81.0353, 0.2662, 0.3168



81.0353, 0.3459, 0.3162

Square

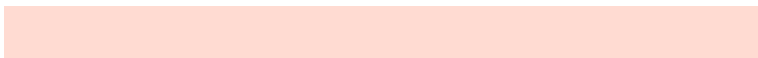
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0353, 0.2662, 0.3168



81.0353, 0.2952, 0.2875



81.0353, 0.3616, 0.3379



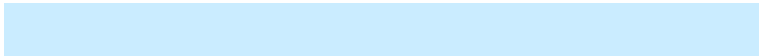
81.0353, 0.3288, 0.3745

Rectangle

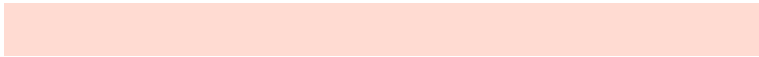
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0353, 0.2662, 0.3168



81.0353, 0.2699, 0.2891



81.0353, 0.3616, 0.3379



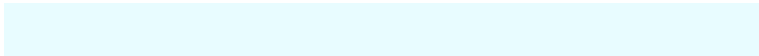
81.0353, 0.3567, 0.3688

Sweetspot

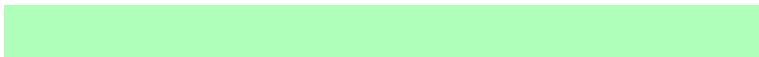
The Sweet Spot groups the original color and five complimentary colors.



81.0380, 0.2662, 0.3168



93.9038, 0.2988, 0.3258



84.1760, 0.3028, 0.4091



19.8992, 0.2965, 0.3253



0.0000, 0.0000, 0.0000



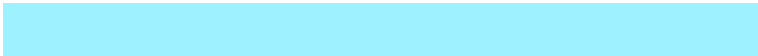
21.4041, 0.3127, 0.3290

Same Dimension

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



81.0380, 0.2662, 0.3168



77.7970, 0.2575, 0.3139



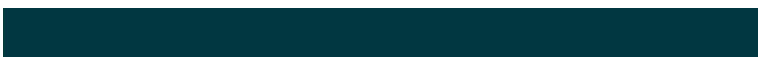
59.7085, 0.2608, 0.2711



20.0296, 0.2980, 0.3256



30.6492, 0.2124, 0.2847



3.0967, 0.2140, 0.2902

Inverse Universe

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



58.4792, 0.3249, 0.2606



52.1378, 0.3281, 0.2462



78.5840, 0.3686, 0.3807



18.2548, 0.3159, 0.3088



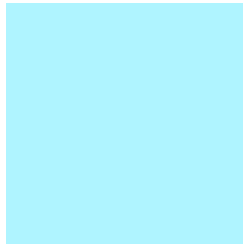
13.8220, 0.3592, 0.1752



1.3572, 0.3541, 0.1725

Previews

White Background



This preview shows how the Yxy color 81.0353, 0.2662, 0.3168 looks on a white background.

Color Contrast Check

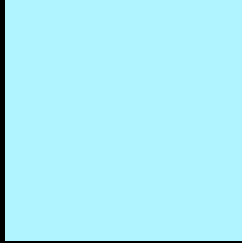
Large Text (above 18pt) WCAG AA × Fail

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 81.0353, 0.2662, 0.3168 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

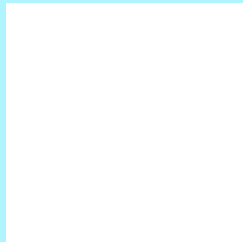
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0353, 0.2662, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 81.0353, 0.2662, 0.3168.

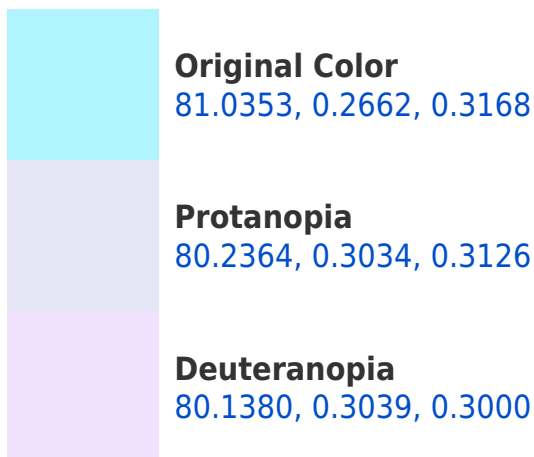


This preview shows how white text looks on a background with the Yxy color 81.0353, 0.2662, 0.3168.

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

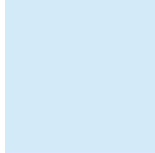
80.7466, 0.2748, 0.3128

Trichromacy



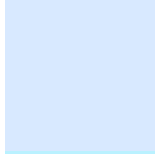
Original Color

81.0353, 0.2662, 0.3168



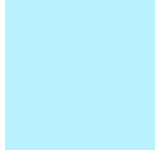
Protanomaly

80.1051, 0.2889, 0.3142



Deuteranomaly

80.0968, 0.2885, 0.3061



Tritanomaly

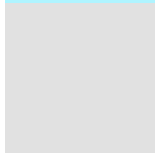
80.5697, 0.2716, 0.3137

Monochromacy



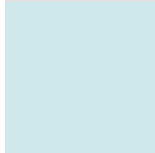
Original Color

81.0353, 0.2662, 0.3168



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.0348, 0.2938, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0353, 0.2662, 0.3168 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(175, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 244, 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(175, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.0353, 0.2662, 0.3168 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(175, 244, 255) }
```

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

```
.border{ border-color:rgb(175, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0353, 0.2662, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 244, 255) }
```

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

```
.background{ background-color: rgb(175,  
244, 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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