

Converting Colors

$Y_{xy}(82.1019, 0.2632, 0.3201)$

Have a look what the booklet for
Yxy(82.1019, 0.2632, 0.3201)
contains.

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Color

Yxy(82.0664, 0.2631, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	A8F7FF
RGB	168, 247, 255
RGB Percent	66%, 97%, 100%
CMY	0.3409, 0.0314, 0.0000
CMYK	0.34, 0.03, 0.00, 0.00
HSL	186°, 100%, 83%
HSV	186°, 34%, 100%
XYZ	67.4740, 82.0664, 106.9171
YIQ	224.2910, -49.6520, -14.2600

Conversions

Conversions Part 2

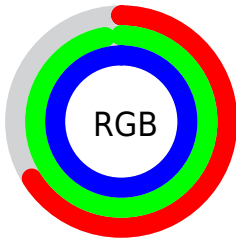
Format	Color
RYB	168, 209, 255
Decimal	11073535
CIELab	92.60, -22.09, -11.54
CIELCh	93, 24.919, 207.588
Yxy	82.0664, 0.2631, 0.3200
Android (android.graphics.Color)	4289263615 (0xFFA8F7FF)
YUV	224.2910, 15.1395, -49.3672
Hunter-Lab	90.5905, -25.5823, -6.5622

Details

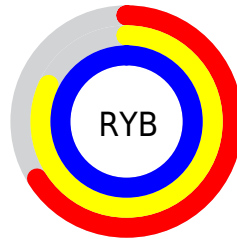
The Yxy color **82.0664, 0.2631, 0.3200** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.1734, 0.3908, 0.3377**, and the grayscale version is **74.6873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **44.3489, 0.2525, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **78.1082, 0.2510, 0.3170**, and if you desaturate by 10%, it is **86.5940, 0.2766, 0.3229**.

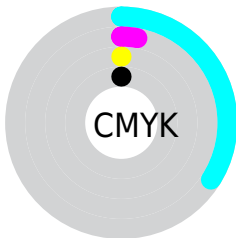
Distribution



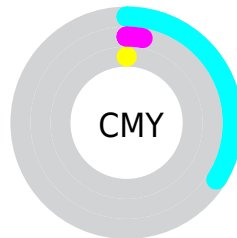
- Red (66%)
- Green (97%)
- Blue (100%)



- Red (66%)
- Yellow (82%)
- Blue (100%)



- Cyan (34%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (34%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0664, 0.2631, 0.3200 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 82.0664, 0.2631, 0.3200 by changing the saturation by 10% instead.

 82.0664, 0.2631,
0.3200

 82.0664, 0.2631,
0.3200


501.8698, 0.2852,
0.3245

 61.4203, 0.2583,
0.3189

 136.2671, 0.2706,
0.3216

 44.5644, 0.2524,
0.3175

170.5905, 0.2736,
0.3222

 31.1145, 0.2451,
0.3157


210.2417, 0.2761,
0.3228

 20.6860, 0.2359,
0.3132

255.6052, 0.2784,
0.3232

 12.8947, 0.2237,
0.3097

307.0654, 0.2804,
0.3236

 7.3561, 0.2072,
0.3045

365.0066, 0.2822,

 3.6858, 0.1835,

0.3240

0.2959

429.8133, 0.2838,
0.3243

■ 1.4994, 0.1470,
0.2800

■ 0.2883, 0.0000,
0.2034

■ 82.0664, 0.2631,
0.3200

■ 82.0664, 0.2631,
0.3200

■ 78.1082, 0.2510,
0.3170

■ 86.5940, 0.2766,
0.3229

■ 74.6834, 0.2406,
0.3139

■ 91.7170, 0.2911,
0.3256

■ 71.7576, 0.2319,
0.3107

■ 97.4641, 0.3063,
0.3281

■ 69.2908, 0.2252,
0.3075

100.0000, 0.3127,
0.3290

■ 67.2363, 0.2205,
0.3043

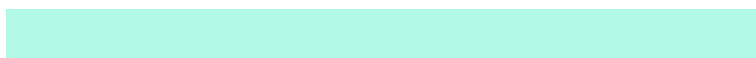
■ 65.5371, 0.2176,
0.3011

■ 64.6521, 0.2165,
0.2993

Harmonies

Analogous

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



82.0664, 0.2804, 0.3475



82.0664, 0.2631, 0.3200



82.0664, 0.2586, 0.2967

Triad

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



82.0664, 0.2631, 0.3200



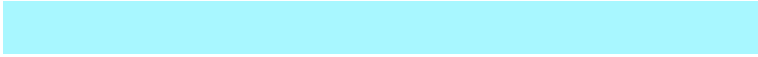
82.0664, 0.3168, 0.2921



82.0664, 0.3588, 0.3750

Complementary

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



82.0664, 0.2631, 0.3200



55.1734, 0.3908, 0.3377

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.



82.0664, 0.3699, 0.3577



82.0664, 0.2631, 0.3200



82.0664, 0.3451, 0.3108

Square

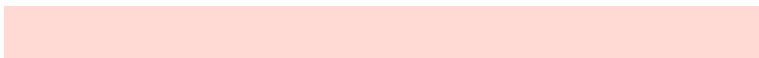
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0664, 0.2631, 0.3200



82.0664, 0.2885, 0.2822



82.0664, 0.3649, 0.3343



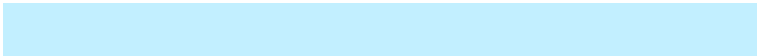
82.0664, 0.3354, 0.3804

Rectangle

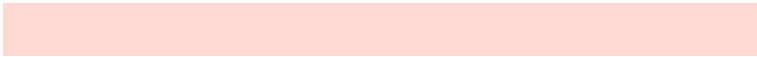
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0664, 0.2631, 0.3200



82.0664, 0.2632, 0.2866



82.0664, 0.3649, 0.3343



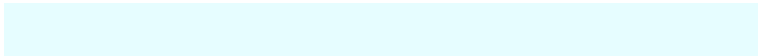
82.0664, 0.3642, 0.3703

Sweetspot

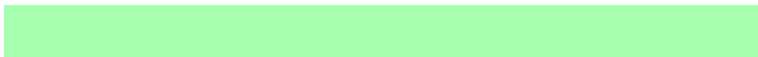
The Sweet Spot groups the original color and five complimentary colors.



82.0676, 0.2631, 0.3200



93.9901, 0.2972, 0.3266



82.9604, 0.3042, 0.4227



19.9480, 0.2951, 0.3263



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.



82.0676, 0.2631, 0.3200



79.2727, 0.2546, 0.3180



58.8777, 0.2566, 0.2704



20.1783, 0.2980, 0.3267



33.9000, 0.2166, 0.2998



3.3808, 0.2176, 0.3034

Inverse Universe

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



56.0068, 0.3230, 0.2511



49.8315, 0.3255, 0.2359



74.6383, 0.3758, 0.3811



18.2698, 0.3152, 0.3077



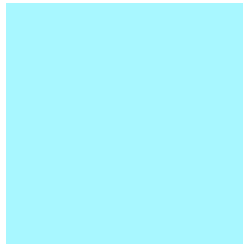
14.1502, 0.3456, 0.1678



1.3858, 0.3425, 0.1660

Previews

White Background



This preview shows how the Yxy color 82.0664, 0.2631, 0.3200 looks on a white background.

Color Contrast Check

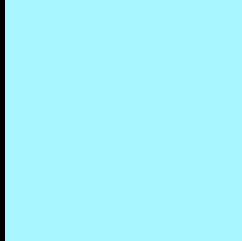
Large Text (above 18pt) WCAG AA × Fail

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 82.0664, 0.2631, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

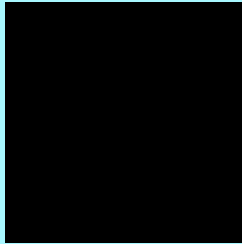
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

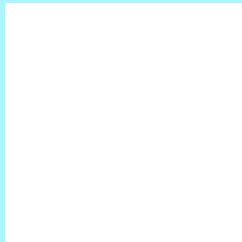
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0664, 0.2631, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 82.0664, 0.2631, 0.3200.

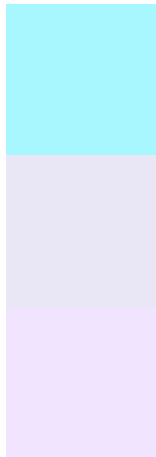


This preview shows how white text looks on a background with the Yxy color 82.0664, 0.2631, 0.3200.

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

82.0664, 0.2631, 0.3200

Protanopia

81.0680, 0.3053, 0.3147

Deuteranopia

81.4076, 0.3046, 0.3021



Tritanopia

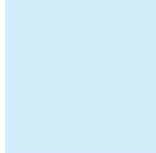
81.5999, 0.2760, 0.3139

Trichromacy



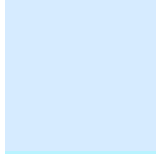
Original Color

82.0664, 0.2631, 0.3200



Protanomaly

80.9632, 0.2878, 0.3163



Deuteranomaly

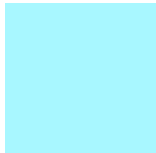
80.9328, 0.2874, 0.3081



Tritanomaly

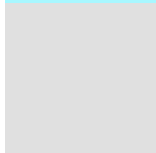
81.6355, 0.2713, 0.3159

Monochromacy



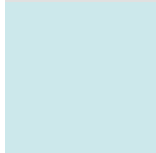
Original Color

82.0664, 0.2631, 0.3200



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.5488, 0.2925, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0664, 0.2631, 0.3200 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(168, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 247, 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(168, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.0664, 0.2631, 0.3200 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(168, 247, 255) }
```

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

```
.border{ border-color:rgb(168, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(168, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0664, 0.2631, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 247, 255) }
```

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

```
.background{ background-color: rgb(168,  
247, 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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