

Converting Colors

$Yxy(82.3320, 0.2548, 0.3019)$

Have a look what the booklet for
Yxy(82.3320, 0.2548, 0.3019)
contains.

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Color

Yxy(81.2385, 0.2620, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	A6F6FF
RGB	166, 246, 255
RGB Percent	65%, 96%, 100%
CMY	0.3487, 0.0353, 0.0000
CMYK	0.35, 0.04, 0.00, 0.00
HSL	186°, 100%, 83%
HSV	186°, 35%, 100%
XYZ	66.7435, 81.2385, 106.7640
YIQ	223.1060, -50.5690, -14.1610

Conversions

Conversions Part 2

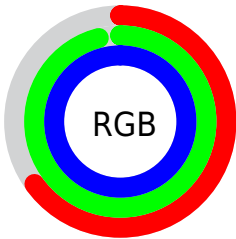
Format	Color
R_{YB}	166, 208, 255
Decimal	10942207
CIE _{Lab}	92.24, -22.12, -12.08
CIE _{LCh}	92, 25.204, 208.632
Yxy	81.2385, 0.2620, 0.3189
Android (android.graphics.Color)	4289132287 (0xFFA6F6FF)
YUV	223.1060, 15.7237, -50.0820
Hunter-Lab	90.1324, -25.5516, -7.1378

Details

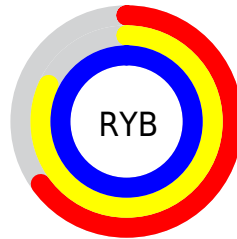
The Yxy color **81.2385, 0.2620, 0.3189** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.7100, 0.3930, 0.3387**, and the grayscale version is **73.7982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **44.2191, 0.2514, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **77.1920, 0.2499, 0.3156**, and if you desaturate by 10%, it is **85.8596, 0.2754, 0.3221**.

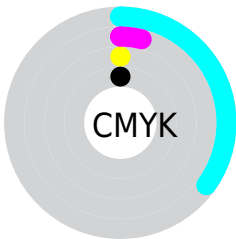
Distribution



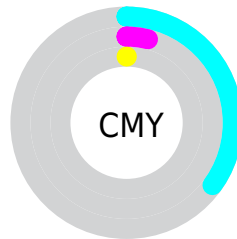
- Red (65%)
- Green (96%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2385, 0.2620, 0.3189 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 81.2385, 0.2620, 0.3189 by changing the saturation by 10% instead.


 81.2385, 0.2620,
0.3189


 81.2385, 0.2620,
0.3189

499.0969, 0.2846,
0.3239

 60.7380, 0.2570,
0.3177


 135.1056, 0.2697,
0.3207

 44.0138, 0.2510,
0.3161


 169.2410, 0.2727,
0.3214

 30.6814, 0.2436,
0.3141


208.6903, 0.2753,
0.3220

 20.3563, 0.2341,
0.3114

253.8377, 0.2776,
0.3225

 12.6543, 0.2216,
0.3075

305.0676, 0.2797,
0.3229

 7.1909, 0.2047,
0.3018

362.7646, 0.2815,

 3.5818, 0.1803,

0.3233

0.2924

427.3129, 0.2831,
0.3236

■ 1.4425, 0.1426,
0.2751

■ 0.2477, 0.0000,
0.1809

■ 81.2385, 0.2620,
0.3189

■ 81.2385, 0.2620,
0.3189

■ 77.1920, 0.2499,
0.3156

■ 85.8596, 0.2754,
0.3221

■ 73.6781, 0.2395,
0.3121

■ 91.0756, 0.2899,
0.3250

■ 70.6638, 0.2309,
0.3086

■ 96.9174, 0.3051,
0.3278

■ 68.1088, 0.2242,
0.3050

■ 99.9996, 0.3127,
0.3290

■ 65.9658, 0.2195,
0.3015

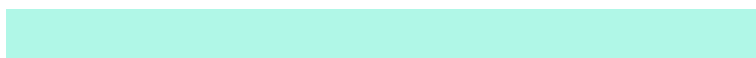
■ 64.1766, 0.2166,
0.2980

■ 63.3533, 0.2156,
0.2962

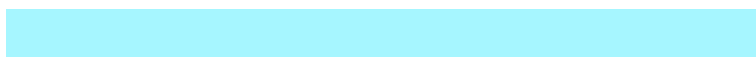
Harmonies

Analogous

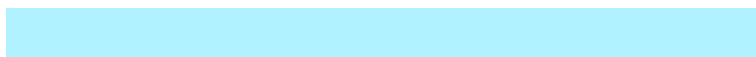
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2385, 0.2791, 0.3469



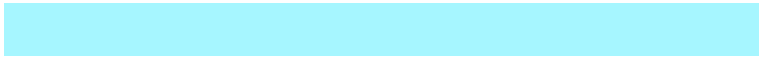
81.2385, 0.2620, 0.3189



81.2385, 0.2579, 0.2956

Triad

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



81.2385, 0.2620, 0.3189



81.2385, 0.3179, 0.2921



81.2385, 0.3589, 0.3761

Complementary

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



81.2385, 0.2620, 0.3189



54.7100, 0.3930, 0.3387

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.



81.2385, 0.3706, 0.3588



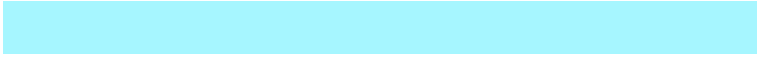
81.2385, 0.2620, 0.3189



81.2385, 0.3465, 0.3113

Square

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



81.2385, 0.2620, 0.3189



81.2385, 0.2891, 0.2817



81.2385, 0.3661, 0.3352



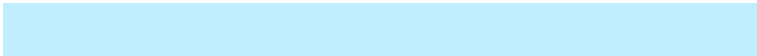
81.2385, 0.3348, 0.3811

Rectangle

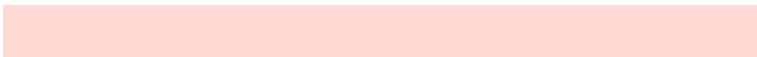
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2385, 0.2620, 0.3189



81.2385, 0.2629, 0.2856



81.2385, 0.3661, 0.3352



81.2385, 0.3644, 0.3714

Sweetspot

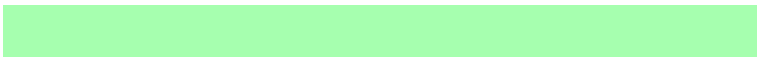
The Sweet Spot groups the original color and five complimentary colors.



81.2417, 0.2620, 0.3189



93.8438, 0.2972, 0.3264



82.7267, 0.3032, 0.4235



19.9123, 0.2951, 0.3260



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.



81.2417, 0.2620, 0.3189



78.3009, 0.2532, 0.3165



57.4126, 0.2550, 0.2670



20.1485, 0.2980, 0.3265



33.2331, 0.2158, 0.2968



3.3228, 0.2169, 0.3008

Inverse Universe

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



55.2159, 0.3239, 0.2501



48.9495, 0.3267, 0.2346



74.9033, 0.3770, 0.3838



18.2668, 0.3154, 0.3079



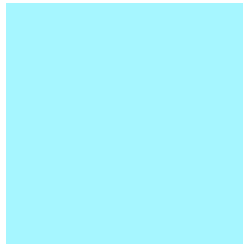
14.0829, 0.3482, 0.1692



1.3800, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 81.2385, 0.2620, 0.3189 looks on a white background.

Color Contrast Check

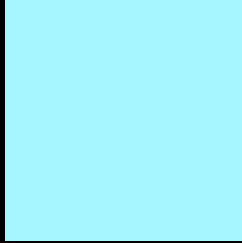
Large Text (above 18pt) WCAG AA × Fail

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 81.2385, 0.2620, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

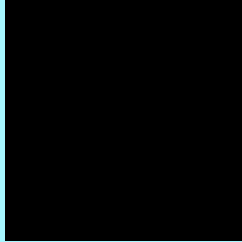
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.2385, 0.2620, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 81.2385, 0.2620, 0.3189.

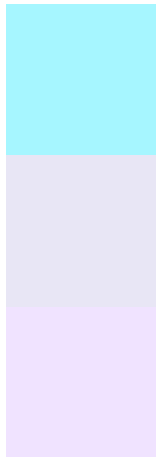


This preview shows how white text looks on a background with the Yxy color 81.2385, 0.2620, 0.3189.

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

81.2385, 0.2620, 0.3189

Protanopia

80.3420, 0.3047, 0.3136

Deuteranopia

80.6834, 0.3039, 0.3010



Tritanopia

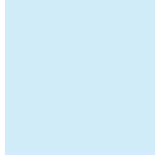
81.0777, 0.2738, 0.3138

Trichromacy



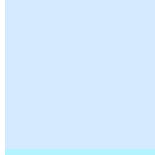
Original Color

81.2385, 0.2620, 0.3189



Protanomaly

80.2404, 0.2871, 0.3152



Deuteranomaly

80.2118, 0.2867, 0.3070



Tritanomaly

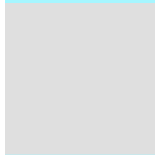
81.1449, 0.2692, 0.3158

Monochromacy



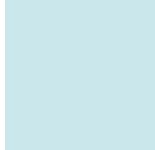
Original Color

81.2385, 0.2620, 0.3189



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.7065, 0.2912, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2385, 0.2620, 0.3189 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(166, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 246, 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(166, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.2385, 0.2620, 0.3189 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(166, 246, 255) }
```

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

```
.border{ border-color:rgb(166, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(166, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2385, 0.2620, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 246, 255) }
```

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

```
.background{ background-color: rgb(166,  
246, 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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