

Converting Colors

Yxy(81.9162, 0.2662, 0.3185)

Have a look what the booklet for
Yxy(81.9162, 0.2662, 0.3185)
contains.

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Color

Yxy(82.2455, 0.2664, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	AFF6FF
RGB	175, 246, 255
RGB Percent	69%, 96%, 100%
CMY	0.3138, 0.0353, 0.0000
CMYK	0.31, 0.04, 0.00, 0.00
HSL	187°, 100%, 84%
HSV	187°, 31%, 100%
XYZ	68.6840, 82.2455, 106.8934
YIQ	225.7970, -45.2050, -12.2530

Conversions

Conversions Part 2

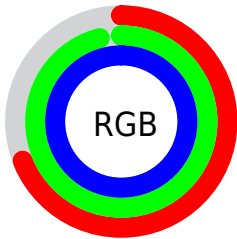
Format	Color
RYB	175, 213, 255
Decimal	11532031
CIELab	92.68, -19.78, -11.39
CIElCh	93, 22.821, 209.939
Yxy	82.2455, 0.2664, 0.3190
Android (android.graphics.Color)	4289722111 (0xFFAFF6FF)
YUV	225.7970, 14.3971, -44.5490
Hunter-Lab	90.6893, -23.5184, -6.4012

Details

The Yxy color **82.2455, 0.2664, 0.3190** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6194, 0.3819, 0.3386**, and the grayscale version is **75.8132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **44.8261, 0.2565, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **77.8399, 0.2537, 0.3154**, and if you desaturate by 10%, it is **87.2367, 0.2803, 0.3225**.

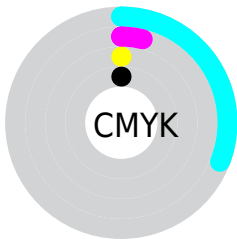
Distribution



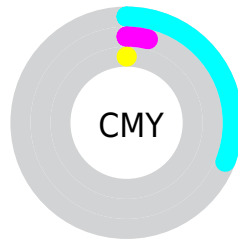
- Red (69%)
- Green (96%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- 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 82.2455, 0.2664, 0.3190 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 82.2455, 0.2664, 0.3190 by changing the saturation by 10% instead.

 82.2455, 0.2664,
0.3190

 82.2455, 0.2664,
0.3190

502.4685, 0.2870,
0.3239

 61.5679, 0.2619,
0.3178


 136.5182, 0.2734,
0.3208

 44.6837, 0.2564,
0.3163


170.8822, 0.2762,
0.3214

 31.2083, 0.2496,
0.3144


210.5770, 0.2786,
0.3220

 20.7575, 0.2409,
0.3119

255.9871, 0.2807,
0.3225

 12.9469, 0.2295,
0.3083

307.4969, 0.2825,
0.3229

 7.3920, 0.2139,
0.3029

365.4908, 0.2842,

 3.7084, 0.1915,

0.3233

0.2943

430.3532, 0.2857,
0.3236

■ 1.5118, 0.1569,
0.2785

■ 0.2970, 0.0000,
0.2084

■ 82.2455, 0.2664,
0.3190

■ 82.2455, 0.2664,
0.3190

■ 77.8399, 0.2537,
0.3154

■ 87.2367, 0.2803,
0.3225

■ 73.9858, 0.2426,
0.3116

■ 92.8402, 0.2951,
0.3257

■ 70.6495, 0.2332,
0.3077

■ 99.0838, 0.3106,
0.3286

■ 67.7920, 0.2257,
0.3037

100.0000, 0.3127,
0.3290

■ 65.3689, 0.2202,
0.2998

■ 63.3264, 0.2165,
0.2958

■ 61.8011, 0.2146,
0.2925

Harmonies

Analogous

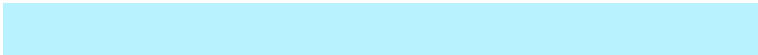
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2455, 0.2815, 0.3440



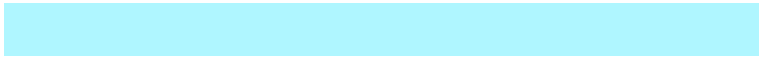
82.2455, 0.2664, 0.3190



82.2455, 0.2632, 0.2982

Triad

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



82.2455, 0.2664, 0.3190



82.2455, 0.3186, 0.2962



82.2455, 0.3536, 0.3720

Complementary

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



82.2455, 0.2664, 0.3190



58.6194, 0.3819, 0.3386

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.



82.2455, 0.3647, 0.3570



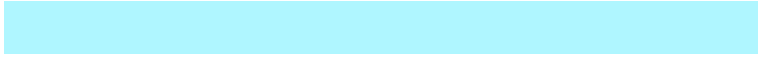
82.2455, 0.2664, 0.3190



82.2455, 0.3441, 0.3139

Square

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



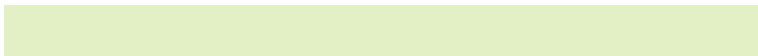
82.2455, 0.2664, 0.3190



82.2455, 0.2925, 0.2863



82.2455, 0.3613, 0.3358



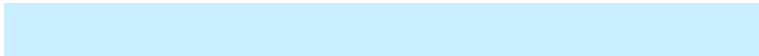
82.2455, 0.3316, 0.3757

Rectangle

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



82.2455, 0.2664, 0.3190



82.2455, 0.2681, 0.2894



82.2455, 0.3613, 0.3358



82.2455, 0.3588, 0.3680

Sweetspot

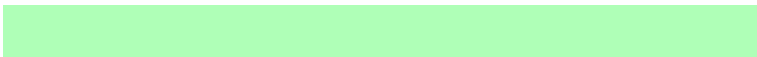
The Sweet Spot groups the original color and five complimentary colors.



82.2463, 0.2664, 0.3190



94.2698, 0.2988, 0.3264



84.0482, 0.3042, 0.4125



19.9900, 0.2965, 0.3260



0.0000, 0.0000, 0.0000



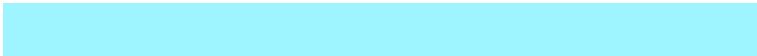
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2463, 0.2664, 0.3190



79.2677, 0.2579, 0.3167



60.9473, 0.2611, 0.2742



20.1122, 0.2980, 0.3263



32.4320, 0.2148, 0.2931



3.2529, 0.2160, 0.2976

Inverse Universe

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



58.5624, 0.3233, 0.2587



52.2863, 0.3260, 0.2441



77.1229, 0.3695, 0.3782



18.2631, 0.3155, 0.3082



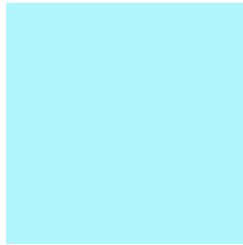
14.0020, 0.3515, 0.1710



1.3729, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 82.2455, 0.2664, 0.3190 looks on a white background.

Color Contrast Check

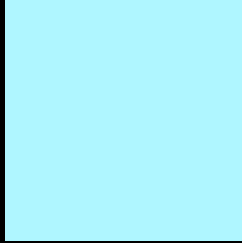
Large Text (above 18pt) WCAG AA × Fail

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 82.2455, 0.2664, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

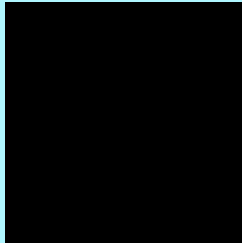
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.2455, 0.2664, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 82.2455, 0.2664, 0.3190.

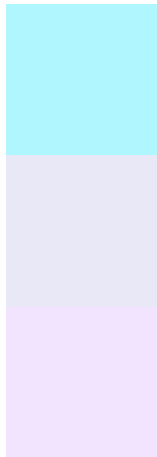


This preview shows how white text looks on a background with the Yxy color 82.2455, 0.2664, 0.3190.

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

82.2455, 0.2664, 0.3190

Protanopia

81.6907, 0.3047, 0.3147

Deuteranopia

81.5841, 0.3052, 0.3022



Tritanopia

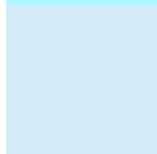
82.0009, 0.2777, 0.3140

Trichromacy



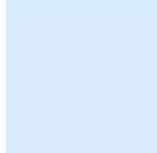
Original Color

82.2455, 0.2664, 0.3190



Protanomaly

81.4050, 0.2896, 0.3163



Deuteranomaly

81.5421, 0.2899, 0.3083



Tritanomaly

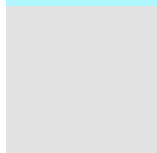
82.1400, 0.2735, 0.3160

Monochromacy



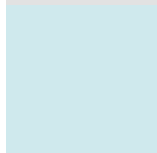
Original Color

82.2455, 0.2664, 0.3190



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.6576, 0.2933, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2455, 0.2664, 0.3190 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.2455, 0.2664, 0.3190 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, 246, 255) }
```

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

```
.border{ border-color:rgb(175, 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(175, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 246, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 246, 255); box-shadow:4px 4px 4px 4px rgb(175, 246, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2455, 0.2664, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 246, 255) }
```

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

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