

Converting Colors

$Yxy(82.0615, 0.2587, 0.2977)$

Have a look what the booklet for
Yxy(82.0615, 0.2587, 0.2977)
contains.

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Color

Yxy(80.6683, 0.2671, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	B1F3FF
RGB	177, 243, 255
RGB Percent	69%, 95%, 100%
CMY	0.3055, 0.0471, 0.0000
CMYK	0.31, 0.05, 0.00, 0.00
HSL	189°, 100%, 85%
HSV	189°, 31%, 100%
XYZ	68.2499, 80.6683, 106.6038
YIQ	224.6340, -43.1880, -10.2600

Conversions

Conversions Part 2

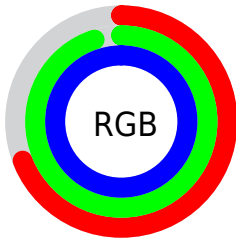
Format	Color
RYB	177, 213, 255
Decimal	11662335
CIELab	91.98, -17.71, -12.42
CIELCh	92, 21.628, 215.034
Yxy	80.6683, 0.2671, 0.3157
Android (android.graphics.Color)	4289852415 (0xFFB1F3FF)
YUV	224.6340, 14.9704, -41.7750
Hunter-Lab	89.8155, -21.5368, -7.5016

Details

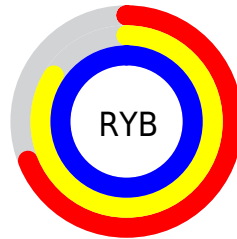
The Yxy color **80.6683, 0.2671, 0.3157** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.8778, 0.3784, 0.3418**, and the grayscale version is **74.9452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **43.7554, 0.2576, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **75.6195, 0.2540, 0.3107**, and if you desaturate by 10%, it is **86.3299, 0.2814, 0.3204**.

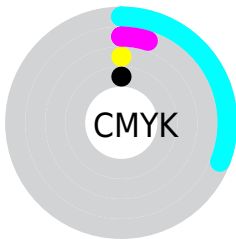
Distribution



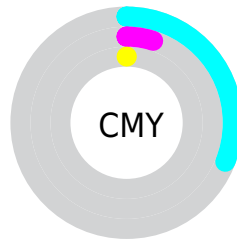
- Red (69%)
- Green (95%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6683, 0.2671, 0.3157 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 80.6683, 0.2671, 0.3157 by changing the saturation by 10% instead.


 80.6683, 0.2671,
0.3157

 80.6683, 0.2671,
0.3157


497.1822, 0.2875,
0.3221

 60.2685, 0.2626,
0.3142


 134.3049, 0.2740,
0.3180

 43.6350, 0.2572,
0.3123


168.3105, 0.2768,
0.3188

 30.3837, 0.2504,
0.3099


207.6201, 0.2791,
0.3196

 20.1300, 0.2417,
0.3066

252.6181, 0.2812,
0.3202

 12.4896, 0.2304,
0.3022

303.6889, 0.2831,
0.3208

 7.0780, 0.2148,
0.2956

361.2169, 0.2847,

 3.5109, 0.1922,

0.3213

0.2851

425.5866, 0.2862,
0.3217

1.4039, 0.1572,
0.2663

0.2196, 0.0000,
0.1646

80.6683, 0.2671,
0.3157

80.6683, 0.2671,
0.3157

75.6195, 0.2540,
0.3107

86.3299, 0.2814,
0.3204

71.1477, 0.2422,
0.3055

92.6291, 0.2964,
0.3248

67.2198, 0.2321,
0.3000

99.5945, 0.3119,
0.3288

63.7972, 0.2238,
0.2945

100.0000, 0.3127,
0.3290

■ 60.8355, 0.2176,
0.2889

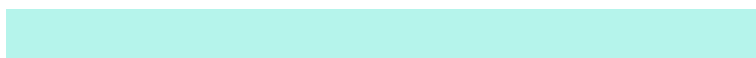
■ 58.2820, 0.2132,
0.2833

■ 56.1654, 0.2106,
0.2782

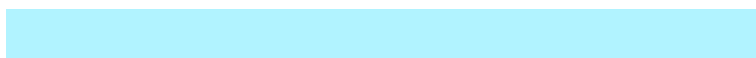
Harmonies

Analogous

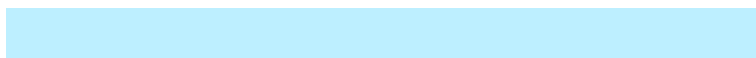
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6683, 0.2798, 0.3393



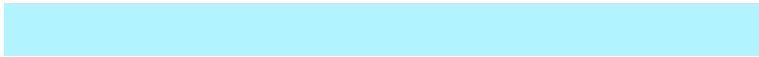
80.6683, 0.2671, 0.3157



80.6683, 0.2661, 0.2971

Triad

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



80.6683, 0.2671, 0.3157



80.6683, 0.3228, 0.3001



80.6683, 0.3488, 0.3715

Complementary

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



80.6683, 0.2671, 0.3157



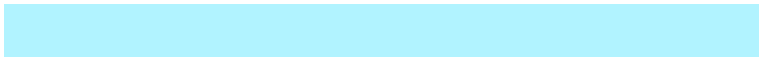
60.8778, 0.3784, 0.3418

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.



80.6683, 0.3615, 0.3588



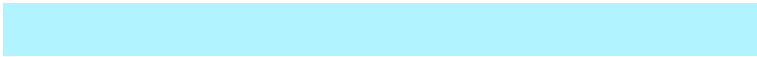
80.6683, 0.2671, 0.3157



80.6683, 0.3462, 0.3180

Square

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



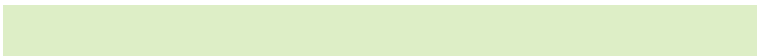
80.6683, 0.2671, 0.3157



80.6683, 0.2974, 0.2891



80.6683, 0.3606, 0.3392



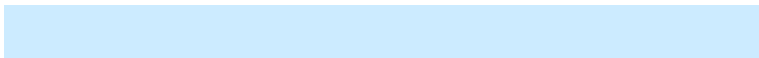
80.6683, 0.3266, 0.3727

Rectangle

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



80.6683, 0.2671, 0.3157



80.6683, 0.2721, 0.2897



80.6683, 0.3606, 0.3392



80.6683, 0.3543, 0.3683

Sweetspot

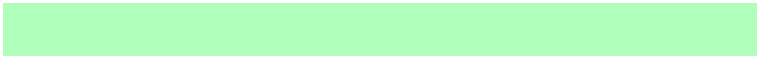
The Sweet Spot groups the original color and five complimentary colors.



80.6697, 0.2671, 0.3157



93.6668, 0.2988, 0.3254



84.5419, 0.3023, 0.4052



19.8404, 0.2965, 0.3248



0.0000, 0.0000, 0.0000



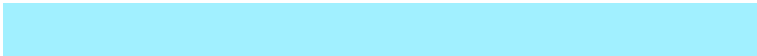
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6697, 0.2671, 0.3157



77.3461, 0.2585, 0.3125



59.9335, 0.2620, 0.2713



19.9760, 0.2980, 0.3252



29.5275, 0.2109, 0.2791



2.9981, 0.2126, 0.2854

Inverse Universe

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



59.2095, 0.3255, 0.2635



52.9456, 0.3289, 0.2497



79.7768, 0.3666, 0.3806



18.2494, 0.3162, 0.3091



13.7088, 0.3643, 0.1780



1.3472, 0.3585, 0.1749

Previews

White Background



This preview shows how the Yxy color 80.6683, 0.2671, 0.3157 looks on a white background.

Color Contrast Check

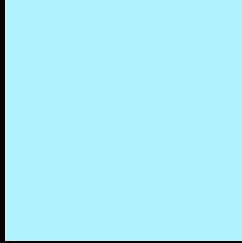
Large Text (above 18pt) WCAG AA × Fail

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 80.6683, 0.2671, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

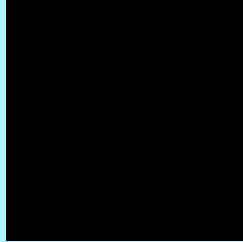
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.6683, 0.2671, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 80.6683, 0.2671, 0.3157.

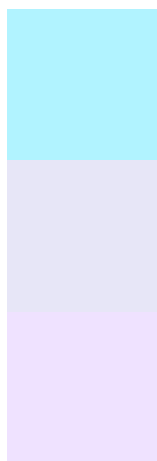


This preview shows how white text looks on a background with the Yxy color 80.6683, 0.2671, 0.3157.

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

80.6683, 0.2671, 0.3157

Protanopia

80.2980, 0.3028, 0.3116

Deuteranopia

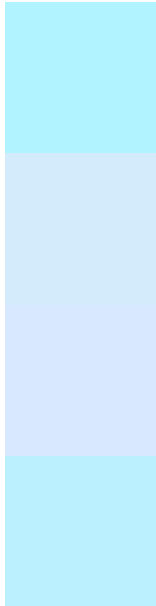
79.9634, 0.3033, 0.3000



Tritanopia

80.7466, 0.2748, 0.3128

Trichromacy



Original Color

80.6683, 0.2671, 0.3157

Protanomaly

80.1677, 0.2884, 0.3131

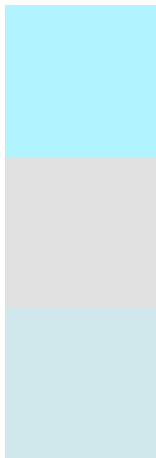
Deuteranomaly

79.5322, 0.2885, 0.3050

Tritanomaly

80.6954, 0.2722, 0.3138

Monochromacy



Original Color

80.6683, 0.2671, 0.3157

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

77.1793, 0.2945, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6683, 0.2671, 0.3157 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(177, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 243, 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(177, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.6683, 0.2671, 0.3157 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(177, 243, 255) }
```

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

```
.border{ border-color:rgb(177, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6683, 0.2671, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 243, 255) }
```

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

```
.background{ background-color: rgb(177,  
243, 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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