

Converting Colors

$Y_{xy}(90.1029, 0.2334, 0.2450)$

Have a look what the booklet for
Yxy(90.1029, 0.2334, 0.2450)
contains.

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Color

Yxy(83.7019, 0.2677, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	B1F8FF
RGB	177, 248, 255
RGB Percent	69%, 97%, 100%
CMY	0.3060, 0.0274, 0.0001
CMYK	0.31, 0.03, 0.00, 0.00
HSL	185°, 100%, 85%
HSV	185°, 31%, 100%
XYZ	69.7386, 83.7019, 107.0697
YIQ	227.5690, -44.5630, -12.8750

Conversions

Conversions Part 2

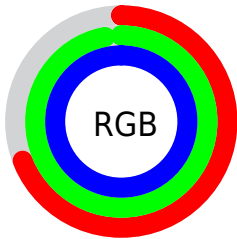
Format	Color
R _Y B	177, 214, 255
Decimal	11663615
CIE Lab	93.32, -20.24, -10.40
CIE LCh	93, 22.755, 207.194
Yxy	83.7019, 0.2677, 0.3213
Android (android.graphics.Color)	4289853695 (0xFFB1F8FF)
YUV	227.5690, 13.5235, -44.3490
Hunter-Lab	91.4887, -24.0412, -5.3452

Details

The Yxy color **83.7019, 0.2677, 0.3213** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.6782, 0.3802, 0.3365**, and the grayscale version is **77.1710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **45.4038, 0.2578, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **79.5953, 0.2551, 0.3184**, and if you desaturate by 10%, it is **88.3916, 0.2815, 0.3240**.

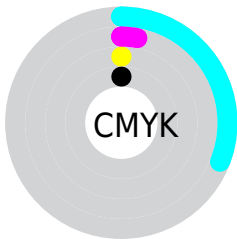
Distribution



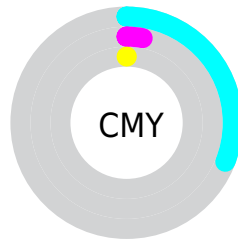
- Red (69%)
- Green (97%)
- Blue (100%)



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



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7019, 0.2677, 0.3213 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 83.7019, 0.2677, 0.3213 by changing the saturation by 10% instead.


 83.7019, 0.2677,
0.3213

 83.7019, 0.2677,
0.3213

507.3228, 0.2877,
0.3251

 62.7693, 0.2633,
0.3204


 138.5581, 0.2745,
0.3227

 45.6546, 0.2580,
0.3192


173.2505, 0.2772,
0.3232

 31.9734, 0.2514,
0.3177

213.2984, 0.2795,
0.3236

 21.3412, 0.2430,
0.3156

259.0861, 0.2815,
0.3240

 13.3736, 0.2321,
0.3127

310.9980, 0.2834,
0.3244

 7.6863, 0.2171,
0.3083

369.4184, 0.2850,

 3.8949, 0.1955,

0.3247

0.3012

434.7319, 0.2864,
0.3249

■ 1.6149, 0.1622,
0.2881

■ 0.3676, 0.0000,
0.2444

■ 83.7019, 0.2677,
0.3213

■ 83.7019, 0.2677,
0.3213

■ 79.5953, 0.2551,
0.3184

■ 88.3916, 0.2815,
0.3240

■ 76.0303, 0.2441,
0.3154

■ 93.6831, 0.2963,
0.3265

■ 72.9761, 0.2348,
0.3124

■ 99.6067, 0.3118,
0.3289

■ 70.3942, 0.2275,
0.3092

■ 99.9987, 0.3127,
0.3290

■ 68.2407, 0.2221,
0.3061

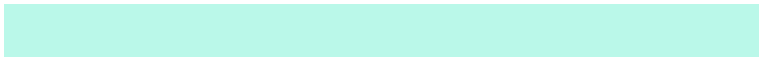
■ 66.4628, 0.2186,
0.3031

■ 65.0554, 0.2167,
0.3002

Harmonies

Analogous

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



83.7019, 0.2836, 0.3461



83.7019, 0.2677, 0.3213



83.7019, 0.2634, 0.3000

Triad

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



83.7019, 0.2677, 0.3213



83.7019, 0.3161, 0.2952



83.7019, 0.3548, 0.3707

Complementary

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



83.7019, 0.2677, 0.3213



58.6782, 0.3802, 0.3365

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.



83.7019, 0.3646, 0.3550



83.7019, 0.2677, 0.3213



83.7019, 0.3418, 0.3122

Square

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



83.7019, 0.2677, 0.3213



83.7019, 0.2905, 0.2863



83.7019, 0.3598, 0.3337



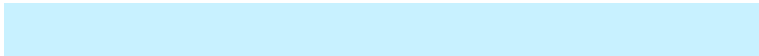
83.7019, 0.3338, 0.3755

Rectangle

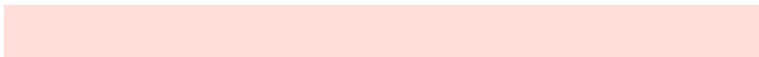
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7019, 0.2677, 0.3213



83.7019, 0.2675, 0.2906



83.7019, 0.3598, 0.3337



83.7019, 0.3596, 0.3664

Sweetspot

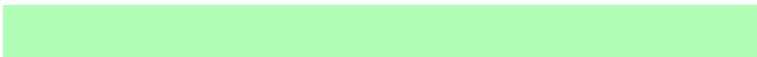
The Sweet Spot groups the original color and five complimentary colors.



83.7052, 0.2677, 0.3213



94.6040, 0.2988, 0.3269



84.2875, 0.3051, 0.4116



20.0729, 0.2966, 0.3266



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.



83.7052, 0.2677, 0.3213



81.0244, 0.2595, 0.3195



62.3919, 0.2626, 0.2773



20.1877, 0.2980, 0.3268



34.1137, 0.2169, 0.3007



3.3994, 0.2178, 0.3042

Inverse Universe

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



59.4626, 0.3216, 0.2588



53.3169, 0.3238, 0.2444



76.9221, 0.3683, 0.3756



18.2708, 0.3152, 0.3076



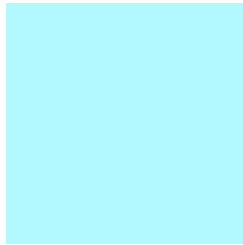
14.1718, 0.3448, 0.1673



1.3877, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 83.7019, 0.2677, 0.3213 looks on a white background.

Color Contrast Check

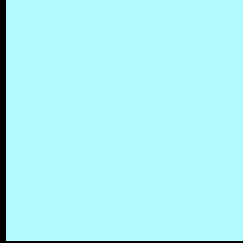
Large Text (above 18pt) WCAG AA × Fail

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 83.7019, 0.2677, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

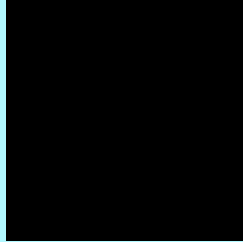
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7019, 0.2677, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 83.7019, 0.2677, 0.3213.

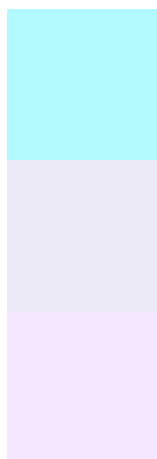


This preview shows how white text looks on a background with the Yxy color 83.7019, 0.2677, 0.3213.

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

83.7019, 0.2677, 0.3213

Protanopia

83.3323, 0.3066, 0.3168

Deuteranopia

83.2261, 0.3072, 0.3043



Tritanopia

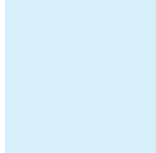
83.2808, 0.2807, 0.3152

Trichromacy



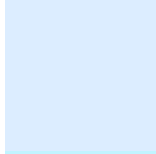
Original Color

83.7019, 0.2677, 0.3213



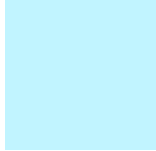
Protanomaly

83.0196, 0.2915, 0.3185



Deuteranomaly

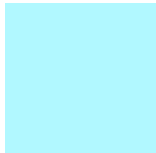
83.0040, 0.2912, 0.3104



Tritanomaly

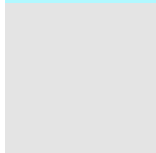
83.2588, 0.2758, 0.3172

Monochromacy



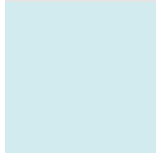
Original Color

83.7019, 0.2677, 0.3213



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.1450, 0.2940, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7019, 0.2677, 0.3213 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 248, 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, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.7019, 0.2677, 0.3213 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, 248, 255) }
```

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

```
.border{ border-color:rgb(177, 248, 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, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 248, 255); box-shadow:4px 4px 4px 4px rgb(177, 248, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7019, 0.2677, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 248, 255) }
```

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

```
.background{ background-color: rgb(177,  
248, 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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