

Converting Colors

$Yxy(82.9749, 0.2691, 0.3265)$

Have a look what the booklet for
Yxy(82.9749, 0.2691, 0.3265)
contains.

Yxy(83.1509, 0.2691, 0.3267)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.1509, 0.2691, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	AFF8FA
RGB	175, 248, 250
RGB Percent	69%, 97%, 98%
CMY	0.3140, 0.0274, 0.0196
CMYK	0.30, 0.01, 0.00, 0.02
HSL	182°, 88%, 83%
HSV	182°, 30%, 98%
XYZ	68.4907, 83.1509, 102.8760
YIQ	226.4010, -44.1500, -14.8540

Conversions

Conversions Part 2

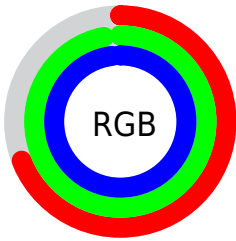
Format	Color
RYB	175, 212, 250
Decimal	11532538
CIELab	93.08, -21.91, -8.18
CIELCh	93, 23.388, 200.479
Yxy	83.1509, 0.2691, 0.3267
Android (android.graphics.Color)	4289722618 (0xFFAFF8FA)
YUV	226.4010, 11.6343, -45.0787
Hunter-Lab	91.1871, -25.5060, -3.0592

Details

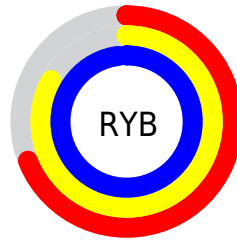
The Yxy color **83.1509, 0.2691, 0.3267** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **54.8279, 0.3799, 0.3313**, and the grayscale version is **76.2899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **45.1497, 0.2596, 0.3246** is the 20% darker color. If you saturate the color by 10%, you get **80.1213, 0.2570, 0.3258**, and if you desaturate by 10%, it is **86.7240, 0.2826, 0.3275**.

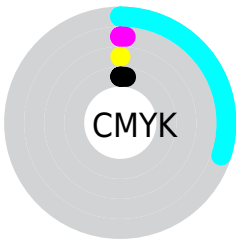
Distribution



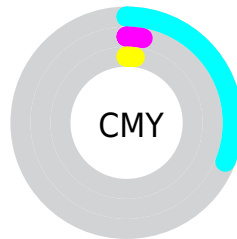
- Red (69%)
- Green (97%)
- Blue (98%)



- Red (69%)
- Yellow (83%)
- Blue (98%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)





- Cyan (31%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1509, 0.2691, 0.3267 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 83.1509, 0.2691, 0.3267 by changing the saturation by 10% instead.

 83.1509, 0.2691,
0.3267

 83.1509, 0.2691,
0.3267


505.4893, 0.2885,
0.3281

 62.3146, 0.2648,
0.3263


 137.7868, 0.2757,
0.3272

 45.2870, 0.2596,
0.3258


172.3552, 0.2783,
0.3274

 31.6835, 0.2532,
0.3251


212.2698, 0.2806,
0.3276

 21.1199, 0.2450,
0.3242

257.9150, 0.2826,
0.3277

 13.2117, 0.2342,
0.3227

309.6751, 0.2843,
0.3278

 7.5745, 0.2194,
0.3204

367.9346, 0.2859,

 3.8239, 0.1979,

0.3279

0.3163

433.0779, 0.2873,
0.3280

■ 1.5755, 0.1645,
0.3079

■ 0.3410, 0.0000,
0.2655

■ 83.1509, 0.2691,
0.3267

■ 83.1509, 0.2691,
0.3267

■ 80.1213, 0.2570,
0.3258

■ 86.7240, 0.2826,
0.3275

■ 77.5956, 0.2466,
0.3250

■ 90.8578, 0.2972,
0.3283

■ 75.5446, 0.2380,
0.3241

■ 95.5812, 0.3127,
0.3290

■ 73.9321, 0.2313,
0.3232

■ 96.9383, 0.3158,
0.3296

■ 72.7166, 0.2266,
0.3223

■ 97.3497, 0.3158,
0.3303

■ 71.8488, 0.2238,
0.3214

■ 97.7625, 0.3158,
0.3309

■ 71.2479, 0.2224,
0.3206

■ 98.1768, 0.3157,
0.3315

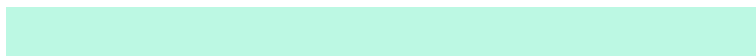
■ 98.5925, 0.3157,
0.3322

■ 99.0096, 0.3157,
0.3328

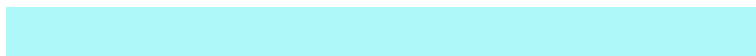
Harmonies

Analogous

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



83.1509, 0.2878, 0.3521



83.1509, 0.2691, 0.3267



83.1509, 0.2618, 0.3034

Triad

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



83.1509, 0.2691, 0.3267



83.1509, 0.3100, 0.2913



83.1509, 0.3595, 0.3691

Complementary

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



83.1509, 0.2691, 0.3267



54.8279, 0.3799, 0.3313

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.



83.1509, 0.3664, 0.3511



83.1509, 0.2691, 0.3267



83.1509, 0.3371, 0.3072

Square

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



83.1509, 0.2691, 0.3267



83.1509, 0.2847, 0.2844



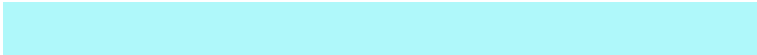
83.1509, 0.3581, 0.3287



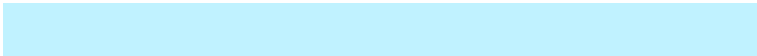
83.1509, 0.3399, 0.3770

Rectangle

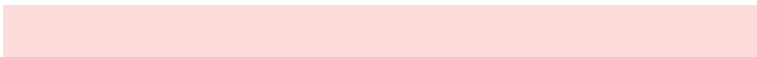
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1509, 0.2691, 0.3267



83.1509, 0.2641, 0.2922



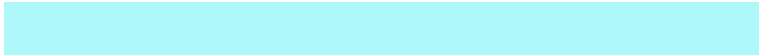
83.1509, 0.3581, 0.3287



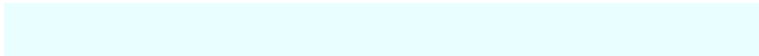
83.1509, 0.3634, 0.3639

Sweetspot

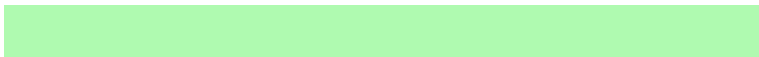
The Sweet Spot groups the original color and five complimentary colors.



83.1542, 0.2691, 0.3267



95.5191, 0.2988, 0.3284



80.6169, 0.3079, 0.4157



20.3002, 0.2966, 0.3283



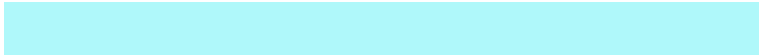
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

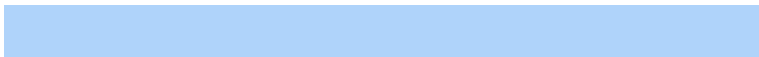
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1542, 0.2691, 0.3267



85.0145, 0.2616, 0.3262



62.7054, 0.2643, 0.2845



19.5255, 0.2980, 0.3283



37.8298, 0.2224, 0.3207



3.5278, 0.2227, 0.3217

Inverse Universe

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



57.7385, 0.3177, 0.2559



54.5907, 0.3188, 0.2416



71.3666, 0.3685, 0.3697



17.5162, 0.3142, 0.3062



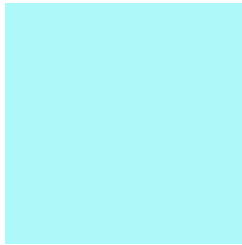
14.2298, 0.3276, 0.1578



1.3204, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 83.1509, 0.2691, 0.3267 looks on a white background.

Color Contrast Check

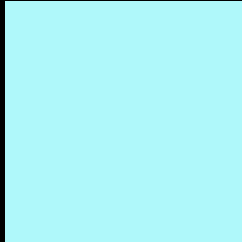
Large Text (above 18pt) WCAG AA × Fail

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 83.1509, 0.2691, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

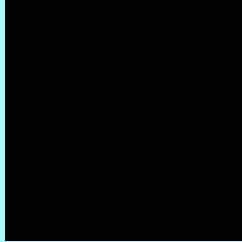
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1509, 0.2691, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 83.1509, 0.2691, 0.3267.

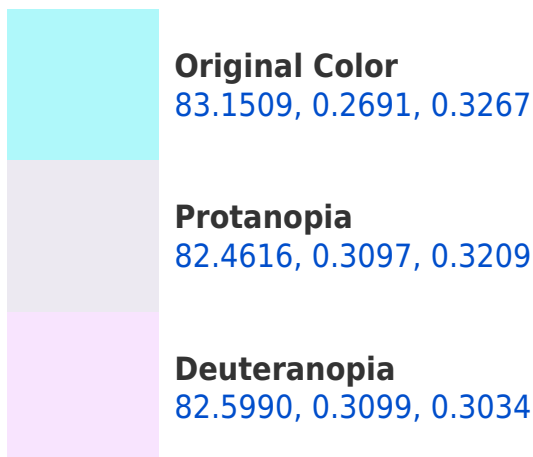


This preview shows how white text looks on a background with the Yxy color 83.1509, 0.2691, 0.3267.

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





Tritanopia

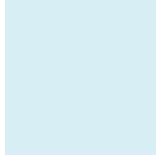
83.0036, 0.2795, 0.3152

Trichromacy



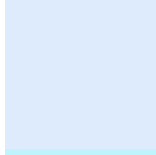
Original Color

83.1509, 0.2691, 0.3267



Protanomaly

81.9769, 0.2937, 0.3226



Deuteranomaly

81.8807, 0.2929, 0.3104



Tritanomaly

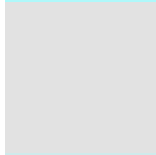
82.8696, 0.2757, 0.3192

Monochromacy



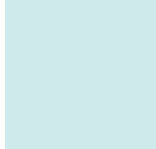
Original Color

83.1509, 0.2691, 0.3267



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.1092, 0.2945, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1509, 0.2691, 0.3267 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, 248, 250)` looks like.

```
.text, #text, p{  
    color:rgb(175, 248, 250)  
}
```

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, 248, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 248, 250) }
```

Border

The CSS property to change the border of an element to Yxy 83.1509, 0.2691, 0.3267 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, 248, 250) }
```

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

```
.border{ border-color:rgb(175, 248, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 248, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 248, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 248, 250);  
box-shadow:4px 4px 4px 4px rgb(175, 248,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1509, 0.2691, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 248, 250) }
```

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

```
.background{ background-color: rgb(175,  
248, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor