

Converting Colors

$Yxy(83.8046, 0.2690, 0.3423)$

Have a look what the booklet for
Yxy(83.8046, 0.2690, 0.3423)
contains.

Yxy(83.8046, 0.2690, 0.3423)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.8046, 0.2690, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	A4FCF0
RGB	164, 252, 240
RGB Percent	64%, 99%, 94%
CMY	0.3567, 0.0118, 0.0587
CMYK	0.35, 0.00, 0.05, 0.01
HSL	172°, 94%, 82%
HSV	172°, 35%, 99%
XYZ	65.8587, 83.8046, 95.1646
YIQ	224.3200, -48.5960, -22.3880

Conversions

Conversions Part 2

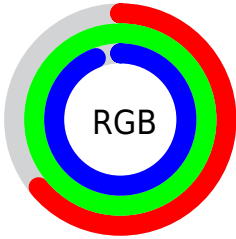
Format	Color
RYB	164, 211, 252
Decimal	10812656
CIELab	93.37, -28.96, -2.66
CIELCh	93, 29.078, 185.248
Yxy	83.8046, 0.2690, 0.3423
Android (android.graphics.Color)	4289002736 (0xFFA4FCF0)
YUV	224.3200, 7.7302, -52.9006
Hunter-Lab	91.5449, -31.7880, 2.4470

Details

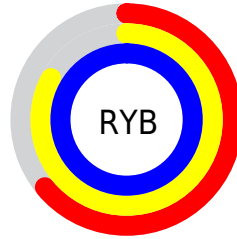
The Yxy color **83.8046, 0.2690, 0.3423** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.3979, 0.3847, 0.3165**, and the grayscale version is **74.7620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **45.6791, 0.2595, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **81.1844, 0.2591, 0.3467**, and if you desaturate by 10%, it is **86.9666, 0.2803, 0.3381**.

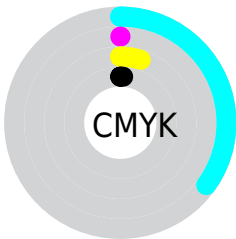
Distribution



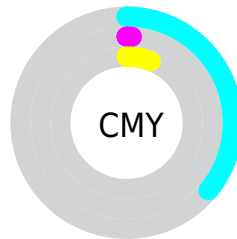
- Red (64%)
- Green (99%)
- Blue (94%)



- Red (64%)
- Yellow (83%)
- Blue (99%)



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)



- Cyan (36%)
- Magenta (1%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8046, 0.2690, 0.3423 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 83.8046, 0.2690, 0.3423 by changing the saturation by 10% instead.

 83.8046, 0.2690,
0.3423

 83.8046, 0.2690,
0.3423

507.6641, 0.2886,
0.3365

 62.8541, 0.2647,
0.3436


 138.7018, 0.2757,
0.3403

 45.7232, 0.2594,
0.3451


 173.4173, 0.2783,
0.3396

 32.0275, 0.2529,
0.3469


213.4900, 0.2806,
0.3389

 21.3825, 0.2445,
0.3492

259.3042, 0.2826,
0.3383

 13.4039, 0.2335,
0.3523

311.2443, 0.2843,
0.3378

 7.7072, 0.2183,
0.3563

369.6947, 0.2859,

 3.9082, 0.1962,

0.3373

0.3618

435.0399, 0.2873,
0.3369

1.6223, 0.1596,
0.3703

0.3726, 0.0000,
0.3864

83.8046, 0.2690,
0.3423

83.8046, 0.2690,
0.3423

81.1844, 0.2591,
0.3467

86.9666, 0.2803,
0.3381

79.0643, 0.2508,
0.3514

90.6892, 0.2928,
0.3342

77.4128, 0.2444,
0.3562

95.0027, 0.3060,
0.3306

76.1906, 0.2400,
0.3610

98.0165, 0.3136,
0.3273

■ 75.3520, 0.2375,
0.3658

■ 98.0972, 0.3128,
0.3261

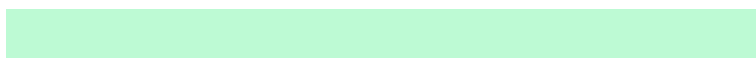
■ 74.8404, 0.2368,
0.3706

■ 74.6641, 0.2370,
0.3731

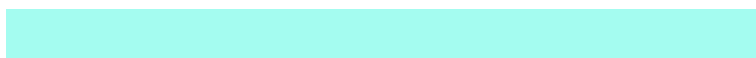
Harmonies

Analogous

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



83.8046, 0.2971, 0.3716



83.8046, 0.2690, 0.3423



83.8046, 0.2528, 0.3105

Triad

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



83.8046, 0.2690, 0.3423



83.8046, 0.2924, 0.2770



83.8046, 0.3774, 0.3679

Complementary

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



83.8046, 0.2690, 0.3423



50.3979, 0.3847, 0.3165

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.



83.8046, 0.3766, 0.3419



83.8046, 0.2690, 0.3423



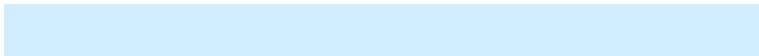
83.8046, 0.3260, 0.2913

Square

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



83.8046, 0.2690, 0.3423



83.8046, 0.2657, 0.2749



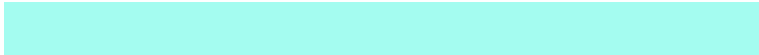
83.8046, 0.3574, 0.3145



83.8046, 0.3601, 0.3854

Rectangle

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



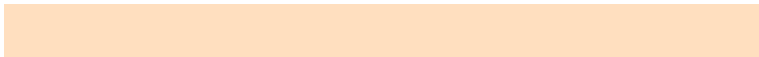
83.8046, 0.2690, 0.3423



83.8046, 0.2503, 0.2932



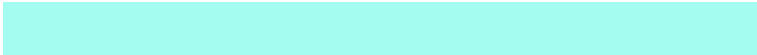
83.8046, 0.3574, 0.3145



83.8046, 0.3793, 0.3598

Sweetspot

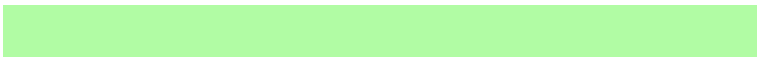
The Sweet Spot groups the original color and five complimentary colors.



83.8080, 0.2690, 0.3423



95.2589, 0.2992, 0.3324



81.6747, 0.3156, 0.4318



20.2575, 0.2973, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

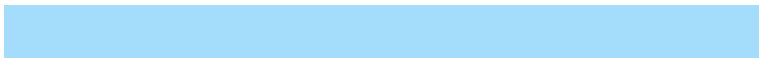
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8080, 0.2690, 0.3423



84.1234, 0.2618, 0.3454



66.7513, 0.2586, 0.2935



19.5656, 0.2998, 0.3322



38.9116, 0.2367, 0.3723



3.6148, 0.2352, 0.3665

Inverse Universe

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



50.3979, 0.3847, 0.3165



45.0338, 0.4070, 0.3140



62.3304, 0.3849, 0.3617



17.2637, 0.3273, 0.3258



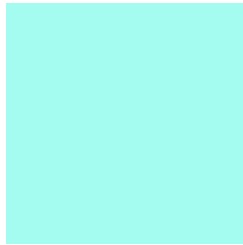
10.8536, 0.6225, 0.3203



1.0167, 0.5953, 0.3053

Previews

White Background



This preview shows how the Yxy color 83.8046, 0.2690, 0.3423 looks on a white background.

Color Contrast Check

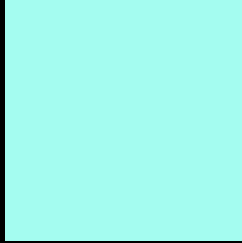
Large Text (above 18pt) WCAG AA × Fail

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 83.8046, 0.2690, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

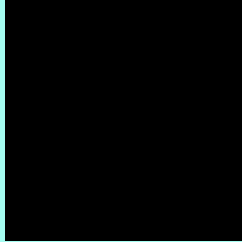
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8046, 0.2690, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 83.8046, 0.2690, 0.3423.

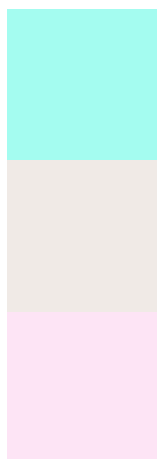


This preview shows how white text looks on a background with the Yxy color 83.8046, 0.2690, 0.3423.

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

83.8046, 0.2690, 0.3423

Protanopia

83.0841, 0.3193, 0.3331

Deuteranopia

82.9620, 0.3190, 0.3123



Tritanopia

83.6005, 0.2796, 0.3162

Trichromacy



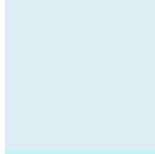
Original Color

83.8046, 0.2690, 0.3423



Protanomaly

82.8482, 0.2983, 0.3364



Deuteranomaly

82.4116, 0.2987, 0.3227



Tritanomaly

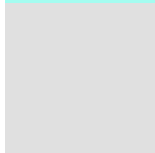
83.3785, 0.2752, 0.3246

Monochromacy



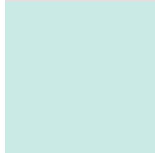
Original Color

83.8046, 0.2690, 0.3423



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.1154, 0.2942, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8046, 0.2690, 0.3423 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(164, 252, 240)` looks like.

```
.text, #text, p{  
    color:rgb(164, 252, 240)  
}
```

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(164, 252, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 252, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.8046, 0.2690, 0.3423 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(164, 252, 240) }
```

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

```
.border{ border-color:rgb(164, 252, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 252, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 252, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 252, 240);  
box-shadow:4px 4px 4px 4px rgb(164, 252,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8046, 0.2690, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 252, 240) }
```

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

```
.background{ background-color: rgb(164,  
252, 240) }
```

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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