

Converting Colors

$Y_{xy}(82.9670, 0.2655, 0.3593)$

Have a look what the booklet for
Yxy(82.9670, 0.2655, 0.3593)
contains.

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Color

Yxy(83.1064, 0.2653, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	90FFE5
RGB	144, 255, 229
RGB Percent	56%, 100%, 90%
CMY	0.4354, 0.0000, 0.1020
CMYK	0.44, 0.00, 0.10, 0.00
HSL	166°, 100%, 78%
HSV	166°, 44%, 100%
XYZ	61.3983, 83.1064, 86.9250
YIQ	218.8470, -57.8100, -31.6180

Conversions

Conversions Part 2

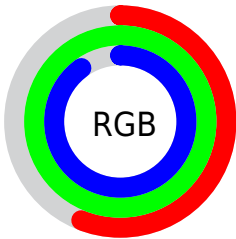
Format	Color
RYB	144, 207, 255
Decimal	9502693
CIELab	93.06, -37.87, 2.50
CIElCh	93, 37.949, 176.220
Yxy	83.1064, 0.2653, 0.3591
Android (android.graphics.Color)	4287692773 (0xFF90FFE5)
YUV	218.8470, 5.0054, -65.6408
Hunter-Lab	91.1627, -39.3146, 7.2800

Details

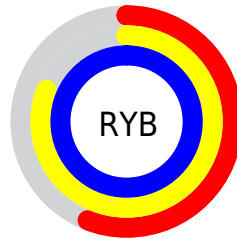
The Yxy color **83.1064, 0.2653, 0.3591** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.0979, 0.4004, 0.3020**, and the grayscale version is **70.7128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **45.3755, 0.2545, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **80.7329, 0.2576, 0.3673**, and if you desaturate by 10%, it is **86.0028, 0.2745, 0.3513**.

Distribution



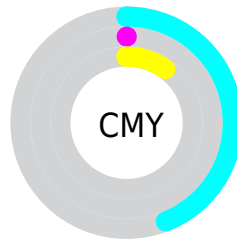
- Red (56%)
- Green (100%)
- Blue (90%)



- Red (56%)
- Yellow (81%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1064, 0.2653, 0.3591 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 83.1064, 0.2653, 0.3591 by changing the saturation by 10% instead.


 83.1064, 0.2653,
0.3591


 83.1064, 0.2653,
0.3591


505.3411, 0.2867,
0.3454

 62.2779, 0.2605,
0.3622


 137.7245, 0.2726,
0.3544

 45.2573, 0.2547,
0.3660


 172.2829, 0.2755,
0.3525

 31.6601, 0.2475,
0.3707


212.1867, 0.2780,
0.3509

 21.1020, 0.2381,
0.3769

257.8203, 0.2802,
0.3495

 13.1986, 0.2258,
0.3851

309.5682, 0.2821,
0.3483

 7.5655, 0.2086,
0.3967

367.8147, 0.2838,

 3.8182, 0.1833,

0.3472

432.9442, 0.2853,
0.3463

0.4142

1.5724, 0.1289,
0.4505

0.3389, 0.0000,
0.6358

83.1064, 0.2653,
0.3591

83.1064, 0.2653,
0.3591

80.7329, 0.2576,
0.3673

86.0028, 0.2745,
0.3513

78.8574, 0.2517,
0.3759

89.4648, 0.2850,
0.3439

77.4365, 0.2478,
0.3847

93.5185, 0.2963,
0.3372

76.4239, 0.2458,
0.3935

98.1913, 0.3084,
0.3310

■ 75.7635, 0.2458,
0.4022

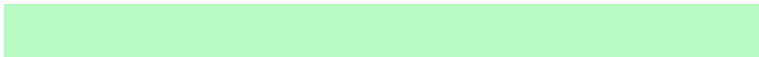
100.0000, 0.3127,
0.3290

■ 75.4721, 0.2466,
0.4078

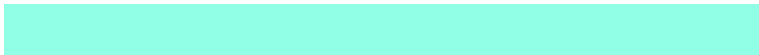
Harmonies

Analogous

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



83.1064, 0.3046, 0.3947



83.1064, 0.2653, 0.3591



83.1064, 0.2396, 0.3159

Triad

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



83.1064, 0.2653, 0.3591



83.1064, 0.2743, 0.2598



83.1064, 0.3998, 0.3687

Complementary

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



83.1064, 0.2653, 0.3591



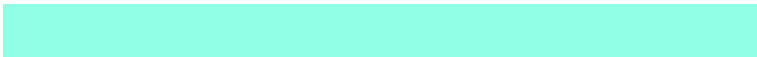
44.0979, 0.4004, 0.3020

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.



83.1064, 0.3914, 0.3339



83.1064, 0.2653, 0.3591



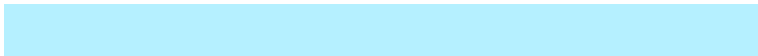
83.1064, 0.3162, 0.2738

Square

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



83.1064, 0.2653, 0.3591



83.1064, 0.2446, 0.2616



83.1064, 0.3599, 0.3001



83.1064, 0.3832, 0.3968

Rectangle

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



83.1064, 0.2653, 0.3591



83.1064, 0.2327, 0.2909



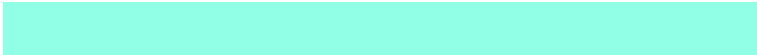
83.1064, 0.3599, 0.3001



83.1064, 0.3999, 0.3574

Sweetspot

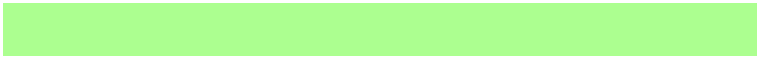
The Sweet Spot groups the original color and five complimentary colors.



83.1029, 0.2653, 0.3591



93.7558, 0.2970, 0.3368



82.2722, 0.3222, 0.4590



19.8633, 0.2944, 0.3383



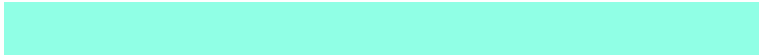
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.1029, 0.2653, 0.3591



81.0653, 0.2587, 0.3661



68.2168, 0.2481, 0.2965



20.4044, 0.3011, 0.3346



39.4601, 0.2462, 0.4064



3.8589, 0.2435, 0.3964

Inverse Universe

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



44.0979, 0.4004, 0.3020



37.5927, 0.4276, 0.2975



52.6731, 0.4149, 0.3584



18.0568, 0.3257, 0.3235



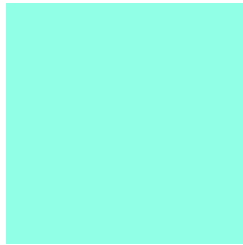
11.2967, 0.5984, 0.3070



1.1159, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 83.1064, 0.2653, 0.3591 looks on a white background.

Color Contrast Check

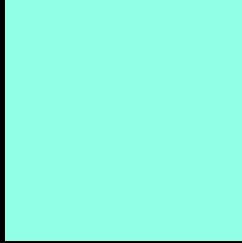
Large Text (above 18pt) WCAG AA × Fail

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 83.1064, 0.2653, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

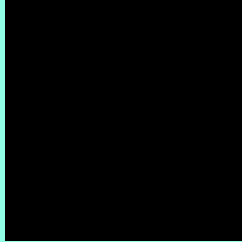
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

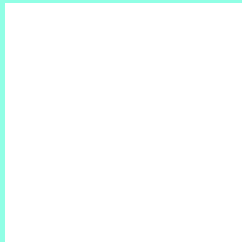
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1064, 0.2653, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 83.1064, 0.2653, 0.3591.

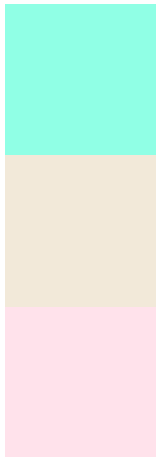


This preview shows how white text looks on a background with the Yxy color 83.1064, 0.2653, 0.3591.

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

83.1064, 0.2653, 0.3591

Protanopia

82.1648, 0.3292, 0.3455

Deuteranopia

81.6509, 0.3271, 0.3201



Tritanopia

82.6586, 0.2757, 0.3161

Trichromacy



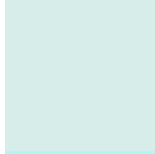
Original Color

83.1064, 0.2653, 0.3591



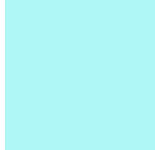
Protanomaly

81.2529, 0.3021, 0.3508



Deuteranomaly

80.8986, 0.3008, 0.3332



Tritanomaly

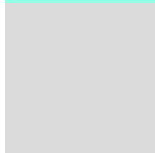
82.2893, 0.2710, 0.3300

Monochromacy



Original Color

83.1064, 0.2653, 0.3591



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2474, 0.2919, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1064, 0.2653, 0.3591 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(144, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(144, 255, 229)  
}
```

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(144, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 83.1064, 0.2653, 0.3591 is called "border". The border property can be set on classes, ids or directly on the HTML element.

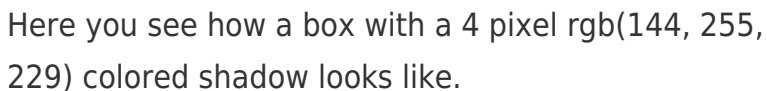
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 255, 229) }
```

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

```
.border{ border-color:rgb(144, 255, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(144, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(144, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1064, 0.2653, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 255, 229) }
```

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

```
.background{ background-color: rgb(144,  
255, 229) }
```

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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