

Converting Colors

$Yxy(83.7164, 0.2521, 0.3333)$

Have a look what the booklet for
Yxy(83.7164, 0.2521, 0.3333)
contains.

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Color

Yxy(83.7193, 0.2522, 0.3334)

Conversions

Conversions Part 1

Format	Color
Hex	88FFFB
RGB	136, 255, 251
RGB Percent	53%, 100%, 98%
CMY	0.4664, 0.0000, 0.0158
CMYK	0.47, 0.00, 0.02, 0.00
HSL	178°, 100%, 77%
HSV	178°, 47%, 100%
XYZ	63.3294, 83.7193, 104.0590
YIQ	218.9630, -69.6400, -26.4720

Conversions

Conversions Part 2

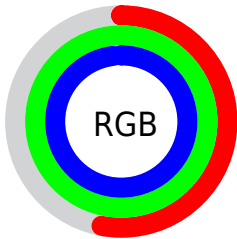
Format	Color
R_{YB}	136, 197, 255
Decimal	8978427
CIE _{Lab}	93.33, -34.53, -8.50
CIE _{LCh}	93, 35.566, 193.834
Yxy	83.7193, 0.2522, 0.3334
Android (android.graphics.Color)	4287168507 (0xFF88FFFB)
YUV	218.9630, 15.7942, -72.7586
Hunter-Lab	91.4983, -36.5754, -3.3805

Details

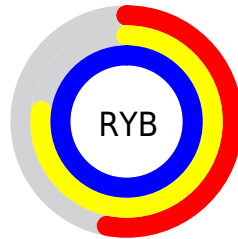
The Yxy color **83.7193, 0.2522, 0.3334** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.7846, 0.4369, 0.3252**, and the grayscale version is **70.7479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **45.7841, 0.2392, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **81.7797, 0.2435, 0.3345**, and if you desaturate by 10%, it is **86.1735, 0.2627, 0.3323**.

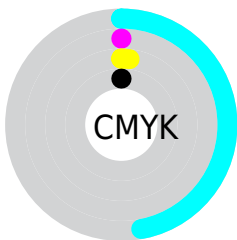
Distribution



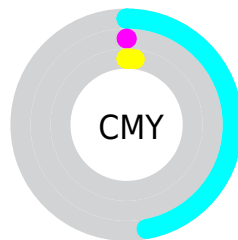
- Red (53%)
- Green (100%)
- Blue (98%)



- Red (53%)
- Yellow (77%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7193, 0.2522, 0.3334 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 83.7193, 0.2522, 0.3334 by changing the saturation by 10% instead.

 83.7193, 0.2522,
0.3334


 83.7193, 0.2522,
0.3334


507.3806, 0.2790,
0.3320

 62.7837, 0.2464,
0.3336


 138.5825, 0.2613,
0.3330

 45.6663, 0.2393,
0.3337

 173.2788, 0.2649,
0.3328

 31.9825, 0.2305,
0.3338


213.3309, 0.2680,
0.3327

 21.3482, 0.2195,
0.3338

259.1230, 0.2707,
0.3325

 13.3787, 0.2051,
0.3335

311.0397, 0.2732,
0.3324

 7.6899, 0.1857,
0.3325


369.4653, 0.2753,


 3.8971, 0.1583,


0.3322


434.7841, 0.2773,
0.3321

0.3298


 1.6162, 0.1123,
0.3245


 0.3685, 0.0000,
0.2700


 83.7193, 0.2522,
0.3334


 83.7193, 0.2522,
0.3334


 81.7797, 0.2435,
0.3345


 86.1735, 0.2627,
0.3323


 80.3084, 0.2367,
0.3356

 89.1657, 0.2748,
0.3313

 79.2673, 0.2319,
0.3367

 92.7291, 0.2882,
0.3304

 78.6076, 0.2290,
0.3379

 96.8919, 0.3027,
0.3295

■ 78.2682, 0.2278,
0.3390

99.9995, 0.3127,
0.3290

■ 78.1949, 0.2276,
0.3393

Harmonies

Analogous

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



83.7193, 0.2825, 0.3725



83.7193, 0.2522, 0.3334



83.7193, 0.2379, 0.2961

Triad

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



83.7193, 0.2522, 0.3334



83.7193, 0.2990, 0.2700



83.7193, 0.3877, 0.3832

Complementary

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



83.7193, 0.2522, 0.3334



40.7846, 0.4369, 0.3252

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.



83.7193, 0.3938, 0.3534



83.7193, 0.2522, 0.3334



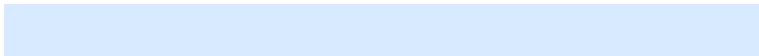
83.7193, 0.3406, 0.2905

Square

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



83.7193, 0.2522, 0.3334



83.7193, 0.2635, 0.2627



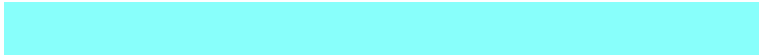
83.7193, 0.3763, 0.3202



83.7193, 0.3609, 0.4011

Rectangle

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



83.7193, 0.2522, 0.3334



83.7193, 0.2385, 0.2778



83.7193, 0.3763, 0.3202



83.7193, 0.3923, 0.3742

Sweetspot

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



83.7226, 0.2522, 0.3334



93.7689, 0.2920, 0.3302



79.0514, 0.3089, 0.4754



19.8879, 0.2889, 0.3304



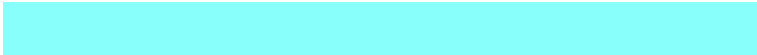
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.7226, 0.2522, 0.3334



81.8899, 0.2440, 0.3344



54.4582, 0.2387, 0.2641



20.4702, 0.2985, 0.3298



40.8636, 0.2275, 0.3391



3.9820, 0.2272, 0.3379

Inverse Universe

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



40.7846, 0.4369, 0.3252



34.1779, 0.4777, 0.3248



59.6883, 0.4125, 0.3847



17.9970, 0.3289, 0.3282



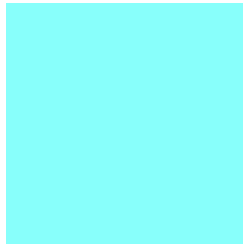
11.1230, 0.6367, 0.3281



1.0864, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 83.7193, 0.2522, 0.3334 looks on a white background.

Color Contrast Check

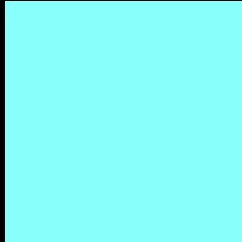
Large Text (above 18pt) WCAG AA × Fail

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 83.7193, 0.2522, 0.3334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

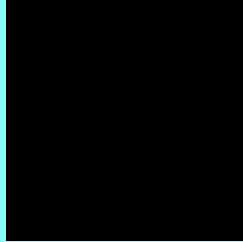
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7193, 0.2522, 0.3334

Background



This preview shows how black text looks on a background with the Yxy color 83.7193, 0.2522, 0.3334.

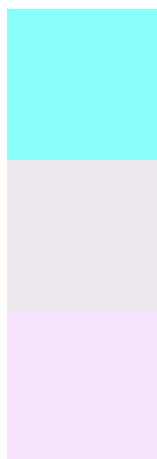


This preview shows how white text looks on a background with the Yxy color 83.7193, 0.2522, 0.3334.

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

83.7193, 0.2522, 0.3334

Protanopia

82.4554, 0.3123, 0.3239

Deuteranopia

82.2996, 0.3079, 0.3024



Tritanopia

83.2588, 0.2758, 0.3172

Trichromacy



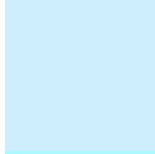
Original Color

83.7193, 0.2522, 0.3334



Protanomaly

81.6610, 0.2859, 0.3268



Deuteranomaly

81.4266, 0.2833, 0.3121



Tritanomaly

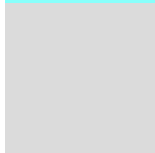
83.0612, 0.2657, 0.3223

Monochromacy



Original Color

83.7193, 0.2522, 0.3334



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.3016, 0.2855, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7193, 0.2522, 0.3334 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(136, 255, 251)` looks like.

```
.text, #text, p{
  color:rgb(136, 255, 251)
}
```

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(136, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 83.7193, 0.2522, 0.3334 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(136, 255, 251) }
```

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

```
.border{ border-color:rgb(136, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7193, 0.2522, 0.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 251) }
```

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

```
.background{ background-color: rgb(136,  
255, 251) }
```

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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