

Converting Colors

$Y_{xy}(100.0000, 0.2617, 0.3653)$

Have a look what the booklet for
Yxy(100.0000, 0.2617, 0.3653)
contains.

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Color

Yxy(83.9522, 0.2576, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	8FFFF5
RGB	143, 255, 245
RGB Percent	56%, 100%, 96%
CMY	0.4393, 0.0000, 0.0392
CMYK	0.44, 0.00, 0.04, 0.00
HSL	175°, 100%, 78%
HSV	175°, 44%, 100%
XYZ	63.5687, 83.9522, 99.2521
YIQ	220.3720, -63.5420, -26.8540

Conversions

Conversions Part 2

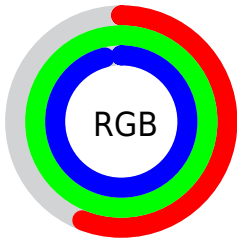
Format	Color
R_{YB}	143, 202, 255
Decimal	9437173
CIE _{Lab}	93.43, -34.42, -5.25
CIE _{LCh}	93, 34.819, 188.669
Yxy	83.9522, 0.2576, 0.3402
Android (android.graphics.Color)	4287627253 (0xFF8FFFF5)
YUV	220.3720, 12.1416, -67.8552
Hunter-Lab	91.6254, -36.5031, -0.0874

Details

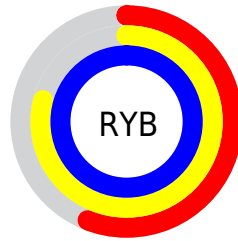
The Yxy color **83.9522, 0.2576, 0.3402** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.2001, 0.4193, 0.3189**, and the grayscale version is **71.7883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **45.9013, 0.2457, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **81.7914, 0.2488, 0.3432**, and if you desaturate by 10%, it is **86.6317, 0.2681, 0.3374**.

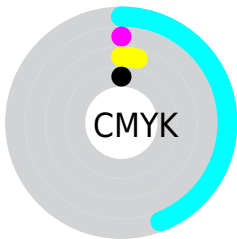
Distribution



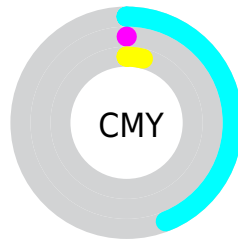
- Red (56%)
- Green (100%)
- Blue (96%)



- Red (56%)
- Yellow (79%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (44%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9522, 0.2576, 0.3402 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 83.9522, 0.2576, 0.3402 by changing the saturation by 10% instead.


 83.9522, 0.2576,
0.3402

 83.9522, 0.2576,
0.3402


508.1545, 0.2821,
0.3355

 62.9760, 0.2522,
0.3411

 138.9083, 0.2659,
0.3387

 45.8218, 0.2457,
0.3423


 173.6570, 0.2692,
0.3381

 32.1052, 0.2376,
0.3436


213.7653, 0.2721,
0.3375

 21.4419, 0.2274,
0.3452

259.6175, 0.2746,
0.3370

 13.4474, 0.2140,
0.3471

311.5982, 0.2768,
0.3366

 7.7373, 0.1957,
0.3493


370.0916, 0.2788,


 3.9273, 0.1696,


0.3362


0.3517


435.4823, 0.2805,
0.3359


 1.6330, 0.1247,
0.3554


 0.3797, 0.0000,
0.3273


 83.9522, 0.2576,
0.3402


 83.9522, 0.2576,
0.3402


 81.7914, 0.2488,
0.3432


 86.6317, 0.2681,
0.3374

 80.1140, 0.2419,
0.3462

 89.8624, 0.2800,
0.3347

 78.8800, 0.2369,
0.3493

 93.6736, 0.2931,
0.3322

 78.0430, 0.2339,
0.3524

 98.0929, 0.3071,
0.3298

■ 77.5463, 0.2327,
0.3554

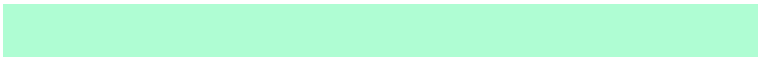
100.0000, 0.3127,
0.3290

■ 77.3617, 0.2326,
0.3572

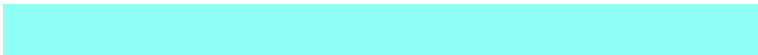
Harmonies

Analogous

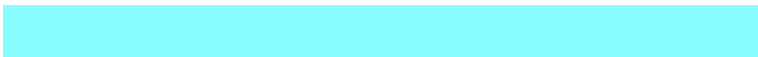
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9522, 0.2895, 0.3771



83.9522, 0.2576, 0.3402



83.9522, 0.2406, 0.3025

Triad

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



83.9522, 0.2576, 0.3402



83.9522, 0.2926, 0.2689



83.9522, 0.3887, 0.3777

Complementary

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



83.9522, 0.2576, 0.3402



43.2001, 0.4193, 0.3189

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.



83.9522, 0.3907, 0.3474



83.9522, 0.2576, 0.3402



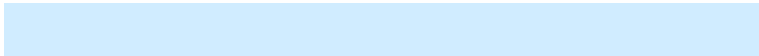
83.9522, 0.3331, 0.2871

Square

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



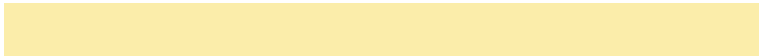
83.9522, 0.2576, 0.3402



83.9522, 0.2598, 0.2644



83.9522, 0.3698, 0.3150



83.9522, 0.3656, 0.3978

Rectangle

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



83.9522, 0.2576, 0.3402



83.9522, 0.2391, 0.2829



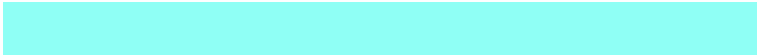
83.9522, 0.3698, 0.3150



83.9522, 0.3920, 0.3683

Sweetspot

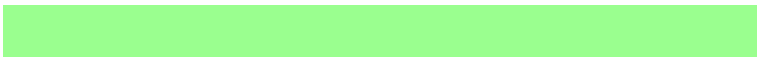
The Sweet Spot groups the original color and five complimentary colors.



83.9521, 0.2576, 0.3402



94.0571, 0.2944, 0.3319



80.3913, 0.3124, 0.4644



19.9384, 0.2914, 0.3325



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

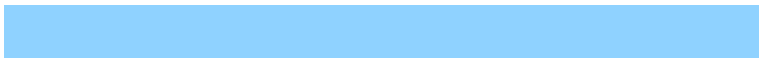
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9521, 0.2576, 0.3402



81.9707, 0.2495, 0.3429



59.2480, 0.2441, 0.2756



20.4519, 0.2992, 0.3311



40.4347, 0.2324, 0.3567



3.9448, 0.2315, 0.3533

Inverse Universe

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



43.2001, 0.4193, 0.3189



36.3200, 0.4551, 0.3173



59.1206, 0.4078, 0.3759



18.0134, 0.3280, 0.3269



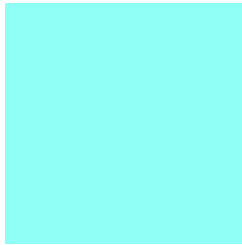
11.1494, 0.6304, 0.3247



1.0941, 0.6109, 0.3139

Previews

White Background



This preview shows how the Yxy color 83.9522, 0.2576, 0.3402 looks on a white background.

Color Contrast Check

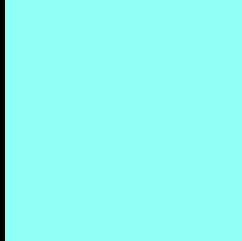
Large Text (above 18pt) WCAG AA × Fail

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 83.9522, 0.2576, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

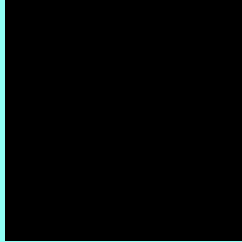
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

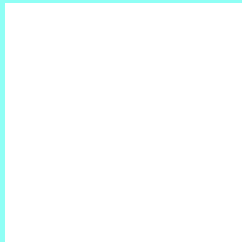
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9522, 0.2576, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 83.9522, 0.2576, 0.3402.

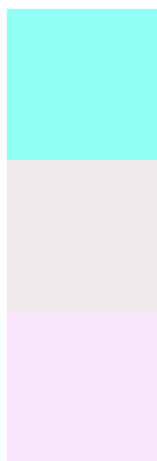


This preview shows how white text looks on a background with the Yxy color 83.9522, 0.2576, 0.3402.

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

83.9522, 0.2576, 0.3402

Protanopia

83.0796, 0.3167, 0.3300

Deuteranopia

82.7758, 0.3131, 0.3064



Tritanopia

83.6571, 0.2774, 0.3172

Trichromacy



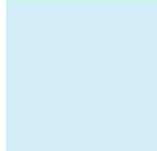
Original Color

83.9522, 0.2576, 0.3402



Protanomaly

82.4561, 0.2917, 0.3343



Deuteranomaly

81.8375, 0.2891, 0.3174



Tritanomaly

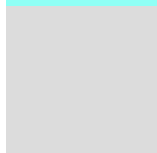
83.4469, 0.2697, 0.3256

Monochromacy



Original Color

83.9522, 0.2576, 0.3402



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1414, 0.2885, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9522, 0.2576, 0.3402 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(143, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 245)  
}
```

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(143, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 83.9522, 0.2576, 0.3402 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(143, 255, 245) }
```

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

```
.border{ border-color:rgb(143, 255, 245) }
```

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

Here you see how a box with a 4 pixel rgb(143, 255, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9522, 0.2576, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 245) }
```

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

```
.background{ background-color: rgb(143,  
255, 245) }
```

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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